

[illegible]

CHARACTER	Conduct.	
	Ability.	
Master's name.		
Shipping Master's signature.		
Official number.		
Port of registry.		
Capacity.		
Place of engagement.		
Date of engagement.		
Shipping Master's initials.		
Date of discharge.		
Place of discharge.		
NAME OF SHIP.		

FORM No. V.

Calcutta, _____ 188



Payable only in case we do not hear from
the said _____
that the said _____
is not on board the Ship _____
on the day the Pilot quits her at sea on her present
outward voyage; or in case of his death before the
Ship leaves the said vessel, in case of the loss
of the said vessel on her way out to sea.

Messrs. _____
At sight please pay to _____
or order the sum of Rupees _____
and place the same to account of disbursements of the Ship _____
in account with yourselves _____
No. _____ Rupees _____

ACCEPTED.

FORM No. VI.

Register of Absentees.

NAME OF ABSENTEES.	Name of ship.	Name of the ship's agent.	Result of prosecution.	Reason for declining to prosecute.	Remark.	Name of substitute and that of his next of kin and his address.

Descriptive Roll of the Seamen signed Articles of the Ship

Consecutive number in the agreement.	Names of seamen.	Number of certificate.	Personal marks.

CIRCULAR.

THE Government have decided, after a careful enquiry and consultation with the Bengal, Chamber of Commerce, to introduce the system of "Continuous discharge" of lascars at the Port of Calcutta, which will benefit the Shipping Companies at this Port. Agents of vessels are hereby requested to instruct masters of vessels consigned to them on the following points, viz., that in the selection of a crew to give preference to the holders of "Continuous discharge certificates," to make proper arrangements, to keep certificates on board, and to deliver the same to the Shipping Office on the termination of the voyage, together with the official log-book duly filled in as to character for conduct and ability of the men, to sign those entries in the certificate, and to help the Shipping Office in every possible way in giving effect to the new system.

FORT WILLIAM,
Shipping Office.

The 18 .

NOTICE.

SERANGS are strictly prohibited to make any private money transaction with seamen at the Shipping Office. Any one contravening this order shall be expelled from the Office premises, and shall not be allowed to re-enter for a period of six months.

By order.

INSTRUCTION TO MASTERS.

IN the case of any member of his crew being left behind from his ship, in hospital or jail, at any port during her voyage on the ground of inability from illness, injury or imprisonment (not for desertion), the master, after filling up the columns marked "Discharge," will deliver the man's certificate to the Superintendent of the Mercantile Marine of the Port if in a British possession or Colony; or if in a foreign country, to Her Majesty's Britannic Consul, with the request to deliver the certificate to its owner on recovery or release, with his endorsement; or, in the case of the seaman's death, to forward it to the Shipping Office at the port of engagement.

A Release made pursuant to an Act passed by the Governor-General of India in Council numbered 1 of 1859, clause 1, section 46, between the Ship or Vessel of the port of the Master of the burden of tons, and each of the several persons whose names are hereunto set who were shipped on board the said ship.

Amount of fees.

Rs. A. P.

NAME OF SHIP.	Official number.	Port of registry.	Port number and date of register.	Registered tonnage.	Name of master.	Number of certificate.	Date and place of first signature, and name of Shipping Office.

(The* several person whose name (is) are hereunto subscribed excepting the said Master of the said Ship or Vessel) having respectively under an agreement bearing date the day and year hereunder written served on board the said Ship in the several capacities therein and hereinafter expressed against their respective names on a voyage from to and the said service and voyage having been completed the said persons whose names are hereunto subscribed hereby severally and respectively acknowledge the correctness of the account delivered by the said Master under section 42 of the said Act and of the several sums in the said account entered for wages, advances, fines, allotments and deductions of every nature or kind soever and the correctness of the balances therein entered as due to them respectively and they do hereby severally and respectively acknowledge to have received their proper provisions and allowance as provided for by the aforesaid agreement and also to have received the several sums hereinafter set opposite their respective names as the balances of wages due to them respectively and in consideration thereof do hereby acquit, release and discharge the said Master of the said Ship or Vessel and also the owners of the said Ship or Vessel of and from all and all manner of actions, suits, claims and demands whatsoever in respect of the abovementioned service and voyage from to or in respect of the said agreement. AND the said Master of the said Ship or Vessel doth hereby acquit, release and discharge the said other parties hereto severally and respectively from all actions, suits, claims or demands whatsoever of him the said or of the owners of the said Vessel in respect of the said service and voyage or in respect of the said agreement.

IN WITNESS whereof the said parties have hereunto subscribed their names on the day against their respective signatures mentioned.

Signed by

Master, on the

day of

188 .

SIGNATURES OF CREW.	Town or country where born.	Number of fund ticket (if any).	In what capacity engaged, and, if Mate, number of his certificate (if any).	Date and place of agreement.	Balance of wages due and now paid.	Shipping Master's signature or initials.	Shipping Office or Home number (if any).
					Rs. A. P.		

No. 1473, dated Calcutta, the 29th March 1886.

From—E. N. BAKER, Esq., Under-Secretary to the Government of Bengal,
To—The Shipping Master, Calcutta.

I am directed to acknowledge the receipt of your letter No. 1353, dated the 20th January last, with which you submit for approval a set of draft rules, based on the suggestions of the Committee appointed to enquire into the system of engaging native seamen in Calcutta, for the introduction at this port of the Bombay system of "Continuous discharges," on the voluntary principle, for foreign-going ships, together with forms of discharge certificates under Act I of 1859.

2. In reply, I am directed to say that the rules, with certain verbal alterations, have been approved by the Lieutenant-Governor. Copies of the rules as approved are herewith forwarded for your guidance and for the guidance of the Deputy and Assistant Shipping Masters, and of those firms which wish to adopt the "Continuous discharge" system in the engagement of lascars crews.

No. 1474, dated Calcutta, the 29th March 1886.

From—E. N. BAKER, Esq., Under-Secretary to the Government of Bengal,
To—The Secretary to the Bengal Chamber of Commerce.

I AM NOW directed to acknowledge the receipt of your letter, dated the 1st October last, containing an expression of the views of the Chamber on the Report of the Committee appointed to enquire into the system of engaging native seamen in Calcutta.

2. In reply, I am directed to forward, for the information of the Chamber, copies of the papers noted in the margin, and to say that, with a few verbal alterations, the rules framed by the Shipping Master for the introduction of the Bombay system of "continuous discharges" at the Port of Calcutta have been approved by the Lieutenant-Governor. It will be seen that they only apply to ships engaged in the foreign trade, and that it is optional with the owners or agents of such vessels to adopt them or not.

3. With reference to paragraphs 4 and 5 of your letter, I am directed to say that, for the reasons given by the Shipping Master in paragraph 4, of his letter which is now forwarded, it seems expedient to adhere to the practice of engaging and discharging crews at the Shipping Office.

4. As regards the proposal contained in paragraph 6 of your letter, I am to say that the Lieutenant-Governor, as at present advised, considers it undesirable to confer magisterial powers on the Shipping Master and his subordinates.

Letter to the Shipping Master,
Calcutta, No. 2472, dated 24th November 1885.

Letter from the Shipping Master,
Calcutta, No. 1353, dated 20th January 1886, and enclosure.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 10th April 1886.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
<i>Western Districts.</i>			
BURDWAN DIVN.	1 Burdwan, April 10 '86	Nil	Weather—seasonable. Lands being prepared. Common rice sells at 18 to 22 seers per rupee. Public health generally good. A few cases of cholera reported.
	2 Bankoora, „ 10 „	Nil	Weather—sultry; mornings and evenings cool. Cotton and <i>til</i> doing well. Lands being prepared for sugarcane cultivation. Prices steady. Public health good.
	3 Beerbhoom, „ 10 „	Nil	Weather—rather cool for the time of year. No crops of any importance on the ground. Public health fair.
	4 Midnapore, „ 10 „	Nil	Weather—seasonable. Cultivation and preparation of land in progress everywhere. <i>Boro</i> rice promises well, but has been somewhat injured in parts by high wind. Public health fair.
	5 Hooghly, „ 10 „	Nil	Weather—seasonable. <i>Boro dhan</i> doing well. Prospects good. Public health fair.
	Howrah, „ 13 „	Nil	High winds with occasional slight rain. Temperature high. <i>Boro dhan</i> and sugarcane thriving.
<i>Central Districts.</i>			
PRESIDENCY DIVN.	6 24-Perghs, April 13 '86	Nil	Weather—seasonable. No crops on the ground. Lands being prepared. Public health generally good.
	7 Nudda, „ 10 „	Nil	Weather sultry, but changeable. Indigo good. Tillage progressing. Sowing of paddy commenced. Public health good. Cholera and cattle-disease reported.
	Meherpur „ „	2.30	
	8 Khoolua, „ 10 „	0.72	Weather—unusually stormy. <i>Boro</i> rice being harvested. Ploughing going on well. Public health good except in Bagirhat, where some cholera and fever reported.
	9 Jessore, „ 10 „	0.25	Weather—hot days with cool nights. Cultivation of paddy crop progressing. Prospects good. Cholera still continues. Deaths from cholera reported from Bongong sub-division.
RAJSHAHY DIVN.	10 Moorsshedabad, „ 10 „	Nil	Weather—cool for the time of year. <i>Boro dhan</i> doing well. Ploughing going on for next rice crop. Public health good, except in Nowada thana where there is some cholera. Price of common rice 18 or 19 seers per rupee.
	11 Dinagepore, April 9 '86	Nil	Weather—cool. Harvesting of <i>rubbee</i> crops nearly finished. Land being prepared for <i>aus</i> crop. Rice selling at from 17 to 24 seers per rupee.
	12 Rajshahye, „ 10 „	Nil	Weather—much hotter; still cloudy. Sowing of <i>aus</i> paddy and jute continues. More rain wanted. <i>Boro</i> paddy generally promising. Public health fair.
	13 Rungpore „ 10 „	0.56	Weather—cooled down by recent rain. Weeding of <i>aus</i> and <i>kaon</i> commenced. Jute is being sown. Cutting of tobacco continues in some places. Cholera reported from police station Kaligunge. General health good.
	14 Bogra, „ 10 „	0.37	Weather—occasionally cloudy; cool from the 7th. Good rain in north of district has much facilitated cultivation. More rain wanted in south. Public health fair.
	15 Pubna, „ 10 „	Nil	Weather—warmer and more muggy. Rain still required for sowing and for <i>cheena</i> crop on ground. More or less cholera in every thana.
	Serajgunge „ „	0.80	
	16 Darjeeling, „ 10 „	Nil	Weather—fine and dry. Crops all good.
DACCA DIVISION.	17 Julpigoree, „ 10 „	0.37	Weather—strong east wind; temperature variable. Outturn of cold-weather crops on the whole satisfactory. Tobacco nearly all cut; an indifferent crop in Doars, elsewhere a fair crop. Rain now wanted. Land very dry. Public health exceptionally good.
	<i>Eastern Districts.</i>		
	18 Dacca, April 10 '86	Not given	Weather—mornings and evenings cool, and hot during the day. Ploughing and sowing of jute and rice going on. Sugarcane being planted. <i>Boro</i> paddy has commenced to ripen. Prospects of crops good. Sporadic cases of cholera reported from Manickgunge and in the town. Public health good.
	Manickgunge „ „	0.48	
	Munshigunge „ „	1.44	
	Naraingunge „ „	3.77	
	19 Furreedpore, „ 10 „	0.10	Weather—cloudy and stormy. Cultivation of land in full progress. A good deal of cholera at head-quarters and at places in the interior.
	Madaripore „ „	Nil	
	20 Backergunge, „ 8 „	1.06	Weather—seasonable. Late rain has done much good to standing crops. General health not good, cholera prevailing in several stations.
	21 Mymensinga, „ 9 „	1.07	Weather—cool. Heavy dust and rain storm on the 7th. Rain general. Prospects of crops good.
CHITTAGONG DIVN.	Kishoregunge „ „	0.84	
	Netrokona „ „		
	22 Chittagong, April 13 '86	0.23	Weather—unsettled with high wind. Small-pox continues; public health generally good. Prices unchanged.
	23 Noakholy, „ 9 „	2.98	Weather—sultry; on 7th and 8th thunder-storms, and hail-storm on 8th at 3 A.M. Rain has benefited cold-weather crops and has softened the ground for tillage. Some cases of cholera; general health good.
	Fenny „ „	1.10	
	24 Tipperah, „ 8 „	4.31	Weather—stormy with high winds and drenching rain. Rain during the week has been excessive and has injured the young paddy in low-lying sites. An interval of dry weather is now much required to enable ploughing to be resumed. Public health unsatisfactory. A good deal of cholera and fever prevail.
CHITTAGONG DIVN.	Brahmunbariah „ „	1.11	
	25 Chittagong Hill „ 6 „	1.00	Weather—alternately close and sunshine during the week. Heavy rain on the 4th. <i>Joom</i> burning retarded owing to heavy rain. Lands being ploughed for <i>aus</i> crop. Planting of sugarcane continues.
CHITTAGONG DIVN.	Tracts „ „		
	Hill Tipperah, „ 7 „	Nil	Weather—cool and cloudy. Chillies and tobacco continue to be reaped. Lands still being prepared for sowing of <i>aus</i> rice. Public health good.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAL.			
PATNA DIV.	26 Patna, April 10 '86	Nil	Weather—hot. Harvesting of <i>rubbee</i> crops nearly completed. <i>Rahar</i> being reaped. Cotton looks well. Gathering of castor going on. Public health good.
	27 Gya, „ 10 „	Nil	Highest reading of thermometer in the shade 100° 8". <i>Rubbee</i> harvest almost finished; an outturn of about 14 annas obtained throughout the district. Opium crop also good.
	28 Shahabad, „ 10 „	Nil	Weather—cool in the morning and evening; hot during the day. Harvesting of <i>rubbee</i> approaching completion; outturn good. A few cases of small-pox reported from one thana of Sasseram sub-division; otherwise public health fair.
	29 Durbhunga, „ 10 „	Nil	East wind prevailing. Harvesting of <i>rubbee</i> nearly finished. Threshing operations going on. <i>Moong</i> and early paddy being sown. <i>Rahar</i> has begun to be harvested. Prices rising slightly. Public health good.
	30 Mozufferpore, „ 10 „	Nil	East winds. Weather favourable. Thrashing of <i>rubbee</i> and sowing of <i>mung</i> , <i>cheena</i> , and early rice in progress. Extraction of opium completed.
	31 Sarun, „ 10 „	Nil	Weather—seasonable; west wind prevailing. Harvesting of <i>rubbee</i> completed; outturn estimated at 18 to 20 annas. <i>Rahar</i> being cut. Prospects of indigo favourable. Public health good.
	32 Chumparun, „ 10 „	Nil	Weather—days warm and nights cool. <i>Rubbee</i> harvest nearly completed. Collection of opium finished; weighment commenced. Prices stationary. Public health good.
BHAGLUPUR DIV.	33 Monghyr, April 10 '86	Nil	Weather—seasonable. Harvesting of <i>rubbee</i> crops nearly completed. Prices stationary. Public health good.
	34 Bhagulpore, „ 10 „	Nil	Weather—continues cool for the season. <i>Rubbee</i> harvest nearly complete. Sugarcane being planted. Prospects of man o crop not good.
	35 Purneah „ 10 „	Nil	Weather—fine and cool for the time of year. Harvesting going on. Agricultural prospects good.
	36 Maldah, „ 10 „	Nil	Weather—cool and cloudy with strong east wind, but latterly hot. <i>Rubbee</i> harvest still going on. <i>Boro</i> paddy doing well, but rain is wanted. Common rice selling at from 16 to 23 seers per rupee. Public health generally good.
	37 Sonthal Pergas „ 10 „	Nil	Weather—unsteady; strong variable winds. Wheat and barley harvesting nearly complete; outturn above the average. <i>Mohua</i> -picking still going on; crop not very good. <i>Boro dhan</i> doing well. Small-pox still prevalent, but general health good.
ORISSA.			
ORISSA DIV.	38 Cuttack, April 9 '86	Nil	Weather—hot and clear; high winds occasionally. <i>Dalua</i> crop ripening and in some places being cut. Ploughing in progress. Common rice sells at 14 seers per rupee in the town and 20 to 24 seers in the interior. Public health generally good.
	39 Pooree, „ 8 „	Nil	Weather—seasonable. Lands being ploughed. Early <i>dalua</i> crop being harvested. Relief works are still going on in the Chilka tracts. Common rice sells at an average of 21 seers per rupee in the Sudder sub-division and 19 seers 11 chittacks in the Khoorda sub-division. Cases of cholera still reported from the town as well as from the moussil.
	40 Balasore, „ 9 „	Nil	Weather—seasonable. Ploughing going on. <i>Dalua</i> crop ripening. Public health good, except a few cases of cholera reported from the interior.
CHOTA NAGPORE.			
<i>South-West Frontier Agency.</i>			
41	Hazaribagh, April 9 '86	Nil	Weather—seasonable. Harvesting of <i>rubbee</i> completed; outturn generally good. <i>Mohua</i> yielding fairly. Mango will be a short crop. General health good.
42	Lohardugga, „ 10 „	Nil	Weather—seasonable (warm). <i>Rubbee</i> harvest almost finished; outturn good. Prices as before. Public health generally good.
43	Singbhoom, „ 9 „	Nil	Weather—fine and warm. No crops to remark on. <i>Mohua</i> outturn promises to be good. Public health good.
44	Marbhoom, „ 10 „	Nil	Weather—hot with westerly winds. No crops now on the ground. Outturn of <i>mohua</i> fair. Public health generally good.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 13th April 1886.P. NOLAN,
Offg. Secretary to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 4th to 10th April 1886.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 82° Fahr.	TEMPERATURE.				HYGROMETRY.				Prevailing direction.	Miles recorded.	Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.				
1886		°		Inches.	°	°		°	°	Inches	°	%			Inches.	
April	4th	145.3	9.8	29.792	79.5	90.3	17.8	72.5	66.9	0.409	58.8	53	NNW and WNW ...	117	Nil	Chiefly clear.
"	5th	148.2	10.3	795	77.7	91.5	28.4	65.1	64.6	.438	55.2	51	WNW and NW by W	82	"	Clear.
"	6th	149.3	10.0	.827	78.6	91.8	27.7	64.1	69.4	.674	64.3	65	WSW and SW ...	115	"	Chiefly D.
"	7th	144.8	10.0	.757	81.7	90.6	17.0	73.6	75.9	.821	73.3	77	S and SSW	243	"	Partially cloudy, D.
"	8th	149.2	10.8	.731	84.4	92.7	16.5	76.2	77.5	.853	74.4	74	SSW and SW by S	168	"	Partially cloudy, lr.
"	9th	154.2	10.2	.752	82.7	91.5	18.3	73.2	76.6	.838	73.9	76	ESE and SSW	219	"	Partially cloudy, o.
"	10th	151.5	10.8	.642	85.0	94.3	18.2	76.1	78.3	.879	75.3	73	SSW	222	"	Clear.

The mean pressure of the seven days Inches.
 The average pressure of the corresponding period for 24 years, S. G.'s Office ... 29.757
 29.767
 The total number of hours of bright sunshine Hours.
 The maximum possible number of hours of sunshine 71.9
 87.2

The mean temperature of the seven days °
 The average temperature of the corresponding period for 24 years, S. G.'s Office ... 81.4
 The extreme variation of temperature 84.5
 The maximum temperature 30.2
 94.3

The highest velocity of the wind in one hour Miles.
 18
 The highest pressure of wind on one square foot lbs.
 3

The mean relative humidity %
 The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... 67
 68

The total fall of rain from 4th to 10th April 1886 Inches
 The average fall of the corresponding period for 24 years, S. G.'s Office ... Nil
 The total fall from 1st January to 10th April 1886 0.40
 The average fall of the corresponding period for 24 years, S. G.'s Office ... 3.63
 3.33

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No 86 formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, lr lightning reflection, D dew.

A. PEDLER,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE,
Calcutta, the 12th April 1886.

Meteorological Report of the Province

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.															
			AIR PRESSURE.					TEMPERATURE.						HUMIDITY.		CLOUD.		
			Highest, 10 A.M., barometer reading of month.	Lowest, 10 A.M., barometer reading of month.	Mean, 10 A.M., for month.	Mean reduced to sea-level.	Variation from normal mean.	Highest of month.	Lowest of month.	Mean daily maxi- mum tempera- ture.	Mean daily mini- mum tempera- ture.	Mean daily tem- perature.	Variation from normal mean.	Mean, 10 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 10 A.M.	Variation from normal mean, 10 A.M.	
ORISSA.	Pooree	Gopalpore	30'059	29'802	29'926	29'976	—	90'2	70'4	84'7	75'3	80'0	—	72	—	1'4	—	
		False Point	30'136	29'798	29'953	29'976	+0'08	89'5	63'5	86'0	72'0	79'0	-1'5	71	-12	4'0	+1'4	
	Cuttack	Cuttack	30'036	29'738	29'866	29'948	-0'03	104'4	65'8	95'0	72'5	83'8	-0'8	65	+3	2'2	-0'1	
		Balasore	30'116	29'761	29'924	29'984	—	94'4	63'0	88'9	69'6	79'3	—	64	—	2'8	—	
SOUTH-WEST BENGAL.	South-West Midnapore and South 24-Pergunnahs.	Saugor Island	30'133	29'782	29'931	29'959	-0'04	92'2	64'9	86'4	74'0	80'2	-0'7	72	-6	4'1	+0'6	
	Midnapore	Midnapore	30'016	29'655	29'896	29'958	—	101'8	61'2	92'9	69'0	81'0	—	48	—	2'6	—	
	24-Pergunnahs, Howrah, and Hooghly.	Calcutta	30'144	29'782	29'935	29'957	0	96'5	60'3	89'5	69'0	79'3	-1'1	62	-7	2'7	+0'3	
	Burdwan	Burdwan	30'080	29'699	29'860	29'961	+0'18	98'7	58'2	91'3	68'5	79'9	-1'2	53	-2	3'0	+0'8	
	Bankoorah	Bankoorah	29'809	29'522	29'648	—	—	98'5	58'8	91'0	68'2	79'6	—	51	—	1'8	—	
	West Burdwan and Beerphoom.	Ranigunj	29'797	29'404	29'615	—	—	99'5	59'1	91'8	67'2	79'5	—	46	—	2'0	—	
	Moorshedabad	Berhampore	30'101	29'684	29'885	29'952	+0'17	99'7	58'2	90'6	66'7	78'7	-1'1	58	+1	3'2	+0'4	
	Nuddea	Krishnagar	30'103	29'748	29'896	—	—	97'7	55'1	90'3	66'5	78'4	—	57	—	3'0	—	
	Jessore and Khoolna	Jessore	30'128	29'785	29'928	29'962	+0'17	99'3	57'5	90'6	68'3	79'5	-1'1	65	+2	4'2	+1'4	
	Chittagong	Chittagong	30'035	29'783	29'892	29'963	+0'04	90'1	58'4	85'2	66'6	75'9	-1'2	67	-7	5'8	+2'9	
EAST BENGAL.	Chittagong Hill Tracts	Demagri	Observations incomplete.															
	Backergunj	Barrisal	30'134d	29'823d	29'961d	29'973d	—	91'8	58'6	86'8	68'3	77'5	—	66	—	4'6	—	
	Noakholly	Noakholly	30'081	29'780	29'932	29'976	—	92'0	54'0	85'9	65'9	75'9	—	62	—	4'5	—	
	Furreedpore	Furreedpore	30'130a	29'770a	29'932a	—	—	95'5e	69'9a?	88'2e	79'1a?	83'3a?	—	59	—	3'3	—	
	Dacca	Dacca	30'131	29'808	29'944	29'967	+0'30	97'2	58'4	89'7	67'4	78'6	-0'7	60	-8	3'9	+0'9	
	Tipperah	Cumillah	30'089	29'809	29'931	29'967	—	97'3	57'0	88'8	66'0	77'4	—	60	—	4'1	—	
	Mymensingh	Mymensingh	30'034	29'734	29'891	—	—	95'3	46'1?	87'7	56'2?	72'0?	—	45	—	5'2	—	
	Bogra	Bogra	30'075c	29'693c	29'869c	—	—	99'3b	56'2b	90'6b	64'2b	77'4b	—	53b	—	2'6c	—	
	Pubna	Serajgunj	30'101	29'710	29'905	29'952	—	99'0	51'9	89'3	63'4	76'3	—	58	—	3'3	—	
	Rajshahye	Rampore Beaulah.	30'034	29'681	29'838	29'912	—	99'4	52'7	92'2	63'0	77'6	—	52	—	1'8	—	
NORTH BENGAL.	Maldah	Maldah	29'563	29'590	29'762	—	—	93'2	52'7	87'9	62'6	75'3	—	50	—	1'1	—	
	Dinapore	Dinapore	30'042	29'568	29'820	29'942	—	98'1	53'7	90'0	61'7	75'8	—	48	—	0'8	—	
	Rungpore	Rungpore	30'042e	29'638e	29'814e	29'941e	—	96'8	51'6	88'5	59'6	74'1	—	55	—	1'8	—	
	Julpigoree and Cooch Behar.	Julpigoree	29'752	29'485	29'627	29'918	—	96'0	51'9	87'2	59'2	73'2	—	53	—	1'2	—	
	Darjeeling Hill Tracts	Darjeeling	23'160c	22'878c	23'003c	—	+0'06	63'5c	37'0c	56'8c	43'0c	49'9c	+0'6	69c	-4	3'6d	-1'6	
	Purneah and North Bhagulpore.	Purneah	30'017	29'655	29'815	29'943	+0'14	98'2	?	90'6	?	?	?	51	-4	1'0	-0'5	
	Mozufferpore	Mozufferpore	29'966e	29'566	29'751	29'937	—	—	—	—	—	—	—	—	—	2'8	—	
	Durbhunga	Durbhunga	29'907d	29'591d	29'775d	29'946d	+0'23	95'6e	56'6d	87'5e	61'8d	75'7e	+0'4	54d	+1	1'2d	-0'6	
	Champarum	Motihari	29'899	29'502	29'685	29'917	—	97'3	49'8	88'7	60'2	74'5	—	46	—	4'1	—	
	Sarun	Chupra	29'945e	29'556e	29'697e	—	—	99'5	53'4	92'8	65'3	79'1	—	45	—	1'6	—	
SOUTH BENGAL.	Shahabad	Dehree	29'792	29'431	29'556	29'945	—	97'3	52'0	88'5	61'5	75'0	—	47	—	2'0	—	
		Buxar	29'931	29'536	29'691	29'936	—	98'9	53'9	89'9	64'5	77'2	—	35	—	1'7	—	
	Gya	Arrah	29'945	29'551	29'723	29'923	—	99'9	56'8	90'8	64'0	77'4	—	46	—	2'1	—	
		Gya	29'757	29'402	29'544	29'926	-0'18	97'8	56'8e	87'9	62'2e	76'5e	-3'4	43	+6	3'0	+0'8	
	Patna	Bankipore	29'992	29'593	29'762	29'940	+0'15	99'5	55'6	90'2	64'2	77'2	0	45	-1	2'8	-0'3	
	South Bhagulpore and Monghyr.	Bhagulpore	29'967	29'589	29'758	29'923	—	97'8	58'0	89'5	65'7	77'6	—	44	—	1'4	—	
	Sonthal Pergunnahs	Naya Dootka	29'633	29'257	29'430	—	—	99'5	55'9	90'5	65'7	78'1	—	61	—	0'9	—	
	Hazaribagh	Hazaribagh	28'103	27'778	27'921	29'937	+0'05	93'3	55'3	86'0	63'5	74'8	-1'1	36	+1	2'9	+0'4	
	Lohardugga and Manbhoom.	Ranches	27'960	27'071	27'777	29'900	—	93'2	54'9	83'7	60'9	72'3	—	45	—	1'1	—	
	Singbhoom	Chaibassa	29'346	29'021	29'171	—	—	98'1	60'6	92'4	67'0	79'7	—	43	—	1'7	—	

a Mean for 24 days. | b Mean for 27 days. | c Mean for 28 days. | d Mean for 29 days. | e Mean for 30 days.

Bengal for the month of March 1886.

DISTRICT OBSERVATIONS.										Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.												
Of month.					Since 15th May 1885.							
Mean of dis- trict.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean num- ber of rainy days.	Mean of dis- trict.	Normal mean.	Variation.	Mean num- ber of rainy days.	Normal mean num- ber of rainy days.			
—	—	—	—	—	—	—	—	—	—	Gopalpore ...	Pooree ...	ORISSA.
2.73	0.71	+2.02	5.8	2.1	43.62	58.07	-15.15	89.3	87.3	False Point ...	Cuttack ...	
3.38	0.85	+2.53	5.5	1.8	46.54	55.95	-9.41	83.3	76.2	Cuttack ...	Balasore ...	
4.61	1.07	+3.54	6.4	2.5	51.42	56.35	-3.93	82.0	82.5	Balasore ...	South-West Midnapore and South 24-Pergun- nahs.	
4.51	1.05	+3.46	6.3	2.2	73.60	65.34	+8.26	90.5	90.2	Sangor Island ...	Midnapore ...	SOUTH-WEST BENGAL.
1.82	1.57	+0.25	6.3	2.5	77.66	52.56	+25.10	79.3	76.2	Midnapore ...	24-Pergunnahs, Howrah, and Hooghly.	
3.05	1.30	+1.75	6.0	3.0	63.77	54.03	+9.74	93.5	97.1	Calcutta ...	Burdwan ...	
3.00	1.18	+1.82	4.7	2.8	55.11	48.33	+6.78	86.6	80.2	Burdwan ...	Bankoorah ...	
1.91	1.05	+0.86	4.8	2.5	70.55	51.37	+19.18	94.5	85.3	Bankoorah ...	West Burdwan and Beerbhoom.	
1.02	0.53	+0.49	2.8	1.9	63.00	52.39	+10.61	91.7	87.9	Ranigunj ...	Moorshedabad ...	
1.95	0.65	+1.30	3.3	2.1	52.90	50.34	+2.56	87.2	81.2	Berhampore ...	Nuddea ...	
3.46	1.47	+1.99	4.2	2.9	60.12	51.26	+8.86	90.7	92.1	Krishnagar ...	Jessore and Khoosna ...	
4.78	1.94	+2.84	5.6	3.5	62.14	56.55	+5.59	92.2	112.8	Jessore ...	Chittagong ...	
6.97	1.68	+5.29	6.5	3.2	141.07	114.85	+26.22	118.0	121.6	Chittagong ...	Chittagong Hill Tracts	
6.56	2.26	+4.30	7.5	3.5	78.37	85.08	-7.59	111.5	112.5	Demagri ...	Backergunj ...	EAST BENGAL.
5.04	1.85	+3.19	7.0	3.7	88.24	80.69	+7.55	107.0	118.7	Barrisal ...	Noakholly ...	
6.31	2.84	+3.47	9.5	4.8	104.07	113.59	-9.52	101.5	94.7	Noakholly ...	Furreedpore ...	
3.31	2.43	+0.88	5.7	4.2	66.34	59.27	+7.07	91.7	96.6	Furreedpore ...	Dacca ...	
4.74	2.69	+2.05	6.3	4.5	63.04	63.93	+1.09	100.3	106.4	Dacca ...	Tipperah ...	
3.73	3.80	-0.07	5.8	5.3	75.36	76.00	-0.64	99.9	94.9	Commillah ...	Mymensingh ...	
1.82	1.91	-0.09	4.5	3.8	68.02	67.32	+0.70	100.7	80.8	Mymensingh ...	Bogra ...	
1.17	0.85	+0.32	2.0	2.3	54.97	58.34	-3.37	94.7	84.2	Bogra ...	Pubna ...	
2.24	1.15	+1.09	3.5	3.0	63.81	55.33	+8.48	93.5	83.1	Serajgunj ...	Rajshahye ...	
1.07	0.68	+0.39	2.0	2.2	57.80	55.97	+1.83	85.0	79.5	Rampore Beau- leah.	Maldah ...	NORTH BENGAL.
0.50	0.60	-0.10	1.8	1.7	58.99	56.09	+2.90	90.7	79.8	Maldah ...	Dinagopore ...	
1.68	1.33	-0.35	1.8	2.3	69.40	75.76	-6.36	79.0	101.5	Dinagopore ...	Rungpore ...	
1.98	1.70	+0.28	3.8	3.9	107.72	113.64	-5.92	100.8	129.1	Rungpore ...	Julpigoree and Cooch Behar.	
1.83	2.47	-0.64	4.0	5.1	159.28	153.99	-3.71	128.5	71.2	Julpigoree ...	Darjeeling Hill Tracts...	
0.33	0.46	-0.13	1.4	1.3	46.47	58.29	-8.82	77.4	59.6	Purneah ...	Purneah and North Bhagulpore.	
0.70	0.46	+0.24	1.0	1.3	44.79	42.92	+1.87	58.4	59.0	Purneah ...	Mozufferpore ...	
0.09	0.31	-0.22	0.7	1.2	50.96	43.45	+7.51	67.7	59.0	Mozufferpore ...	Durbhunga ...	
0.55	0.39	+0.16	1.0	1.2	55.43	45.57	+9.86	61.6	54.9	Durbhunga ...	Motihari ...	
0.15	0.22	-0.07	2.0	1.1	45.03	42.46	+2.57	61.0	60.0	Motihari ...	Chumparun ...	SOUTH BENGAL.
0.75	0.35	+0.40	2.8	1.5	43.39	40.00	+3.39	60.5	64.6	Chupra ...	Sarun ...	
1.54	0.31	+1.23	2.8	1.5	50.54	40.33	+10.21	70.3	64.6	Dehree ...	Shahabad ...	
0.36	0.27	+0.09	2.0	1.3	43.50	40.88	+2.62	67.2	58.5	Shahabad ...	Bankipore ...	
0.40	0.20	+0.20	2.2	1.1	48.35	42.58	+5.77	73.0	64.2	Bankipore ...	Patna ...	
1.01	0.49	+0.52	2.7	1.4	61.85	49.06	+12.79	91.0	68.5	Bhagulpore ...	South Bhagulpore and Moungyr.	
2.19	0.94	+1.25	3.8	2.3	66.69	49.53	+17.16	86.0	78.6	Naya Doomka...	Sonthal Pergunnahs ...	
1.61	0.80	+0.76	5.3	2.7	51.95	48.91	+3.04	92.2	85.6	Hazaribagh ...	Hazaribagh ...	
1.20	1.36	-0.16	4.1	3.1	54.90	54.20	+0.70	91.0	86.9	Ranchee ...	Lohardugga and Man- bhoom.	
									93.8	Chaibassa ...	Singbhoom ...	

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
ORISSA	Pooree	Pooree	...	...	...	...	...	...	0'05	...	...	0'70	...	...	...	...	...	...	...	...	...
		Khurdah	...	...	...	...	...	...	0'04	...	...	0'25	...	...	0'76	...	...	...	...	...	...
		Bampur	...	...	...	...	...	...	0'10	...	...	0'20	...	...	0'20	...	...	...	...	...	...
		False Point	...	...	...	...	...	...	0'27	...	...	0'21	...	...	0'16	...	...	...	...	...	...
		H. okitola	...	...	...	...	...	...	...	...	...	1'40	...	...	0'80	...	...	...	...	...	...
		Gop	...	...	...	...	...	...	...	...	...	1'00	...	...	...	...	...	...	...	...	...
	Cuttack	Pipli	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jaatsingapore	...	...	...	...	...	...	...	0'10	...	1'30	...	...	...	...	...	...	...	...	...
		Banki	...	...	...	0'02	...	...	...	1'35	...	1'35	...	0'01	...	...	...	...	...	...	...
		Cuttack	...	...	...	0'07	...	...	...	1'80	...	1'75	...	1'65	...	...	0'16	...	...	...	...
		Kendrapara	...	...	...	...	...	...	...	0'12	...	0'28	...	0'35	...	0'54	1'00	...	...	...	...
		Jaipore	...	...	...	...	...	...	...	0'25	...	0'15	...	0'48	...	...	...	...	...	...	...
	Balasore	Dharmasalla	...	...	...	...	...	...	...	0'07	...	1'04	...	...	...	...	...	...	...	...	...
		Salipore	...	...	...	...	...	...	...	0'80	...	1'10	...	0'50	...	0'11	0'10	...	...	...	...
		Chandbali	...	...	...	...	...	...	...	...	...	1'20	...	...	...	...	...	...	...	...	...
		Bhuddruck	...	...	...	...	...	...	...	...	...	1'10	...	0'41	...	0'09	...	...	...	...	...
		Sorah	...	...	...	...	...	...	...	...	...	2'04	...	0'20	...	0'28	...	...	...	...	...
		Balasore	...	...	...	0'38	...	...	...	0'15	...	0'30	...	1'00	...	0'05	...	...	...	...	...
	SOUTH-WEST BENGAL.	Midnapore	Baripodah	0'10	...	0'06	...	0'03	...	0'61	0'11
			Contai	0'10	...	0'07	...	0'40	...	0'02
Sauger Island			...	...	...	...	...	...	0'07	...	0'15	...	1'37	...	...	...	...	...	...	...	...
Tumlook			...	...	...	...	...	...	...	...	...	0'60	...	...	...	...	...	...	...	...	...
Midnapore			...	...	...	...	...	...	0'05	...	0'10	...	0'34	...	0'14	...	...	...	...	...	...
Ghatal			...	...	...	...	...	...	0'05	...	0'02	...	1'31	...	0'03	...	0'01	...	...	...	...
24-Pergunnahs		Derog	...	...	...	...	...	...	...	0'09	...	0'39	...	...	...	...	...	...	...	...	...
		Heria	...	...	...	...	...	...	...	...	...	0'44	...	...	...	...	...	...	...	...	...
		Bhagwanpore	...	...	...	...	...	...	...	0'11	...	0'25	...	...	...	...	...	...	...	...	...
		Garbeta	...	...	...	...	...	...	...	...	...	2'07	...	0'01	...	...	...	...	...	...	...
		Diamond Har-	...	...	...	...	...	...	...	...	...	0'12	...	0'03	...	...	...	...	...	...	...
		bour.	...	...	...	...	...	...	...	0'06	...	...	1'00	...	...	...	...	...	...	...	...
Howrah		Canning Town	0'04	...	0'07	...	1'00
		Alipore Jail	0'10	...	0'30
		Barrackpore	0'34	0'00	...	0'84
		Dum-Dum	0'18	0'00	...	0'71	...	0'03
		Baraset	0'29	0'08	...	0'71	...	0'03
		Buseerhat	1'01
Hooghly		Howrah	0'07	0'08	...	0'71	...	0'62
		Moheerika	0'10	0'04	...	1'11	...	0'03
		(Oolookerika).	0'04	...	0'03	...	1'03
		Serampore	0'35	0'04	...	0'03	...	1'03
		Hooghly	0'51	0'03	...	1'31
		Jehanabad	1'16
Burdwan	Culina	...	...	...	...	...	...	...	...	...	2'10	...	...	...	...	...	...	...	...	...	...
	Burdwan	...	...	...	...	...	...	...	...	...	1'38	...	...	...	...	...	...	...	...	...	...
	Culwa	...	...	...	...	...	...	...	...	...	0'76	...	...	...	...	...	...	...	...	...	...
	Mankur	...	...	...	...	...	...	...	...	...	0'57	...	...	...	...	...	...	...	...	...	...
	Rane-gunge	...	...	...	...	...	...	...	...	...	1'81	...	0'03	...	...	...	...	...	...	...	...
	Bankoora	...	...	...	...	...	...	...	...	...	2'06	...	...	...	...	...	...	...	...	...	...
EAST BENGAL.	Bankoora	Bishenpore	...	...	...	...	...	...	...	...	1'36	...	...	...	...	...	...	...	...	...	...
		Maliara	...	...	...	...	...	...	...	...	...	0'24	...	...	...	...	...	...	...	...	...
		Khatra	...	...	...	...	...	...	...	...	...	0'03	...	0'08	...	0'04	...	...	...	...	...
		Indas	...	...	...	...	...	...	...	...	...	1'02	...	...	...	...	...	...	...	...	...
		Kotulpore	...	...	...	...	...	...	...	...	...	1'54	...	...	...	...	...	...	...	...	...
		Onda	...	...	...	...	...	...	...	...	...	0'52	...	...	...	...	...	...	...	...	...
	Chittagong	Ganajalghati	0'72
		Raipore	1'95
		Sonamukhi	0'50
		Bh. Soory	0'13
		Hetampore
		Rampore Haut
Nuddea	Holpur	...	...	...	...	...	...	...	...	...	0'36	...	...	...	...	...	...	...	...	...	...
	Rennahat	...	...	...	...	...	...	...	...	...	1'30	...	...	...	...	...	...	...	...	...	...
	Kishnagar	...	...	...	...	...	...	...	...	...	1'62	...	...	...	...	...	...	...	...	...	...
	Choudanga	...	...	...	...	...	...	...	...	...	0'52	...	...	...	...	...	...	...	...	...	...
	Meherpore	...	...	...	...	...	...	...	...	...	0'28	...	...	...	...	...	...	...	...	...	...
	Kooshtia	...	...	...	...	...	...	...	...	...	0'14	...	...	...	...	...	...	...	...	...	...
Khooina	Sattira	...	...	...	...	...	...	...	...	...	0'10	...	...	...	...	...	...	...	...	...	...
	Bagirhat	...	...	...	...	...	...	...	...	...	0'06	...	...	...	...	...	...	...	...	...	...
	Khooina	...	...	...	...	...	...	...	...	...	0'05	...	...	...	...	...	...	...	...	...	...
	Jessore	...	...	...	...	...	...	...	...	...	0'05	...	...	...	...	...	...	...	...	...	...
	Narail	...	...	...	...	...	...	...	...	...	0'09	...	...	...	...	...	...	...	...	...	...
	Jhendah	...	...	...	...	...	...	...	...	...	0'70	...	...	...	...	...	...	...	...	...	...
EAST BENGAL.	Moorshedabad	Magorah	0'59
		Bongong	0'30
		Kandi
		Berhampore	0'45
		Lalbagh	0'61
		Azimungunge	0'12
	Chittagong	Jungipore	0'18
		Lalgola
		Cox's Bazar
		Chittagong
		Kutubdia
		Sathanya
Chittagong Hill Tracts.	Rangamati	...	...	...	...	...	...	...	...	...	0'36	...	0'72	...	...	...	...	...	...	...	...
	Ruma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Agartola	...	...	...	...	...	...	...	...	...	0'72	...	...	...	...	...	...	...	...	...	...
	Backergunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Patuakhali	...	...	...	...	...	...	...	...</					

Bengal in March 1886.

22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1885 up to 31st March 1886.	Average rainfall from 1st January up to 31st March 1886.	District.	Station.	Meteorological division.
...	...	0'08	0'08	0'81	...	...	...	...	...	5	1'7	1'69	0'59	0'81	1'81	1'93	Pooree	Pooree.	ORISSA.
...	...	0'25	0'08	0'54	...	...	...	...	...	6	2'7	1'92	0'90	0'76	2'01	1'99	...	Khurda.	...
...	...	1'34	...	...	...	0'08	...	...	...	5	1'8	4'26	1'01	1'08	4'47	2'39	...	Banpur.	...
...	...	0'07	0'63	...	...	2'11	...	...	...	4	2'1	5'12	1'19	2'11	3'30	2'50	...	False Point.	...
...	3	?	2'22	?	1'40	2'53	?	...	Hookitola.	...
...	...	0'22	...	...	...	...	...	...	...	3	?	2'20	?	1'00	2'93	?	...	Gop.	...
...	...	0'60	...	0'60	...	...	...	...	...	3	?	...	...	...	...	...	...	Pipli.	...
...	1'30	...	...	...	2	1'3	2'60	0'83	1'30	2'95	1'70	Cuttack.	Jagatsingapore.	...
...	...	0'46	...	1'85	...	0'02	...	...	...	2	2'7	5'76	1'79	1'95	6'00	2'67	...	Banki.	...
...	0'23	...	...	...	6	2'3	5'66	1'14	1'80	6'35	2'08	...	Cuttack.	...
...	0'23	...	...	...	6	1'8	2'52	0'89	1'60	3'10	1'94	...	Kendrapara.	...
...	0'63	0'05	0'15	...	0'28	0'13	...	0'05	...	8	1'9	2'73	1'09	0'95	3'32	2'84	...	Jajpore.	...
...	0'52	...	0'12	0'08	...	...	...	7	?	4'61	?	1'94	5'66	?	...	Dharmasalla.	...
...	0'00	...	...	...	...	6	?	...	?	1'10	...	?	...	Salipore.	...
...	2	2'3	...	...	...	...	...	...	...	...
...	1'04	...	...	...	2'00	0'10	...	...	...	5	2'1	6'42	1'21	2'08	7'11	2'85	Balasore.	Chandbali	...
...	...	0'19	...	0'60	0'83	0'71	0'04	...	...	9	2'3	4'12	1'51	1'19	4'12	2'82	...	Bhuddruck.	...
...	...	0'29	...	0'06	0'88	0'05	0'05	...	...	10	3'1	5'28	1'76	2'04	5'82	3'69	...	Sorah.	...
...	...	0'08	0'50	...	0'84	...	...	...	...	7	2'2	2'87	0'98	1'00	3'19	2'75	...	Balasore.	...
...	0'04	...	1'25	...	...	...	...	...	...	7	2'9	...	...	1'25	...	...	...	Jhilsore.	...
...	Baripodah.	...
...	...	0'10	2'60	...	0'13	2'17	...	...	...	8	1'6	5'59	1'15	2'60	5'62	2'82	Midnapore	Contai	...
...	1'88	...	...	2'95	...	...	...	5	2'1	6'42	1'36	2'95	6'63	2'77	...	Saugor Island.	...
...	...	0'60	0'10	...	1'20	0'10	...	...	...	5	2'5	2'60	1'87	1'20	3'70	3'46	...	Tumlook.	...
...	0'19	...	...	...	...	6	2'8	0'94	1'40	0'36	1'02	2'92	...	Midnapore.	...
...	...	0'04	...	0'01	0'44	...	...	...	...	8	2'2	1'91	1'43	1'31	2'08	2'83	...	Ghatal.	...
...	...	0'09	0'35	0'17	0'04	0'98	0'12	...	...	8	?	2'23	?	0'98	2'90	?	...	Dooeg.	...
...	0'46	...	...	...	3	?	1'50	?	0'60	2'20	?	...	Heria.	...
...	...	0'26	0'16	...	1'44	0'31	...	...	...	6	?	2'53	?	1'44	2'53	?	...	Chaguanpore.	...
...	0'05	0'05	0'35	...	...	...	...	6	?	3'53	1'90	2'07	3'90	3'60	...	Garbeta.	...
...	...	0'08	...	0'32	...	0'11	0'27	...	...	6	2'8	1'53	1'47	0'63	3'90	3'65	24-Pergunnahs	Diamond Harbour.	...
...	...	0'13	0'03	...	1'41	...	...	...	...	5	?	2'63	?	1'41	3'86	?	...	Canning Town.	...
...	...	0'12	...	...	1'18	0'08	...	...	...	6	3'1	2'49	1'51	1'18	3'96	3'68	...	Alipore Jail.	...
...	0'35	0'08	...	...	...	6	2'9	3'01	1'61	0'99	3'28	3'33	...	Barrackpore.	...
...	1'02	...	...	...	...	5	2'7	2'44	1'44	1'02	2'97	3'03	...	Dum-Dum.	...
...	...	0'47	...	...	1'60	...	...	...	...	6	3'1	3'18	1'39	1'60	4'30	3'12	...	Barasat.	...
...	0'66	2'10	2'35	...	...	...	...	4	3'0	6'12	2'15	2'35	6'61	3'64	...	Buseerhat.	...
...	...	0'05	0'21	...	1'16	0'06	...	...	...	8	3'3	2'36	1'84	1'18	3'30	3'69	Howrah.	Howrah	...
...	0'08	...	1'28	...	...	...	...	6	3'0	2'64	1'13	1'28	3'63	3'06	...	Moheraka.	...
...	...	0'03	0'20	0'02	1'44	...	...	...	...	9	3'1	3'19	1'18	1'44	3'33	2'86	...	(Oolookeria).	...
...	Serampore.	...
...	...	0'20	...	0'54	0'33	...	...	...	...	6	2'8	2'92	1'73	1'31	3'27	3'69	Hooghly.	Hooghly	...
...	...	0'24	...	0'32	...	...	...	...	...	4	3'1	2'69	1'23	1'16	2'28	2'93	...	Jehanabad.	...
...	...	0'04	0'50	...	1'20	0'70	...	...	...	5	2'4	4'54	1'30	2'10	4'54	2'73	...	Cuttack.	...
...	...	0'05	0'15	0'01	0'78	0'01	...	...	...	6	3'3	2'36	1'22	1'38	2'76	2'29	Burdwan.	Burdwan	...
...	...	0'03	0'27	...	1'06	...	...	...	...	3	2'7	2'49	1'12	1'06	2'09	2'77	...	Cuttack.	...
...	...	0'08	0'17	...	0'29	...	...	...	...	2	?	6'60	?	0'57	0'74	?	...	Mankur.	...
...	5	2'5	2'38	0'72	1'81	2'47	2'27	...	Raneegunge.	...
...	...	0'03	0'02	...	0'29	...	...	...	...	4	2'8	2'31	1'48	2'06	2'66	2'91	Bankoora.	Bankoora	...
...	...	0'10	0'60	0'40	0'18	0'40	...	...	...	6	2'5	3'64	1'46	1'36	3'51	2'40	...	Bishenpore.	...
...	...	0'23	0'08	...	0'78	...	...	...	...	4	2'2	1'33	0'86	0'78	1'45	1'38	...	Maliara.	...
...	...	0'03	...	...	0'19	...	...	...	...	5	2'6	0'97	0'95	0'68	1'39	1'87	...	Khatra.	...
...	1'20	...	...	...	...	5	?	2'92	?	1'62	3'03	?	...	Indas.	...
...	...	0'77	...	...	1'80	...	...	...	...	3	?	4'11	?	1'80	4'38	?	...	Kotulpore.	...
...	...	0'85	...	...	...	...	...	...	...	2	?	0'57	?	0'52	0'57	?	...	Onda.	...
...	0'06	0'63	...	...	...	...	3	?	0'81	?	0'72	0'81	?	...	Gangajalghati.	...
...	...	0'20	...	...	1'06	...	...	...	...	4	?	3'32	1'15	1'93	3'32	2'40	...	Raipore.	...
...	0'01	0'01	...	...	...	...	...	...	...	3	?	0'52	?	0'50	0'52	?	...	Sonamukhi.	...
...	0'02	0'42	0'02	...	...	...	4	2'2	0'50	0'58	0'42	0'69	1'97	Beerbhoom.	Bh. Scory	...
...	Hetampore.	...
...	...	0'17	...	...	0'95	...	...	...	...	2	1'5	1'12	0'54	0'95	1'12	1'88	...	Rampore Haut.	...
...	...	0'38	...	...	...	...	...	...	...	2	?	0'74	?	0'28	0'74	?	...	Bolpur.	...
...	...	0'14	0'29	...	1'84	...	...	...	...	4	1'9	3'48	1'29	1'84	3'48	2'64	Nudda.	Ranaghat	...
...	...	0'01	0'25	...	1'79	1'78	...	...	...	6	3'0	5'48	1'15	1'79	5'48	2'64	...	Kishnaghat.	...
...	0'38	...	2'07	...	...	...	...	3	3'1	2'97	1'70	2'07	2'97	3'16	...	Choodanga.	...
...	0'49	...	0'88	1'42	...	...	...	4	2'9	3'37	1'90	1'42	3'37	3'28	...	Meherpore.	...
...	0'40	...	1'40	...	...	...	...	6	3'4	2'04	1'33	1'40	2'04	3'02	...	Kooshtea.	...
...	...	0'65	1'10	0'62	1'06	2'21	...	...	...	7	3'3	7'19	2'02	2'21	7'40	4'02	Khoolna.	Satkira	...
...	...	0'18	...	0'54	...	2'75	0'65	...	...	6	2'6	3'96	1'75	3'42	6'42	3'70	...	Bagirhat.	...
...	6	3'6	5'22	1'94	2'75	5'37	3'89	...	Khoolna.	...
...	...	0'10	0'42	0'22	0'25	1'56	...	0'09	...	6	3'4	3'88	1'89	1'50	3'94	3'75	Jessore.	Narail	...
...	...	0'04	0'31	0'41	1'72	...	0'12	...	...	5	4'8	4'09	2'10	3'39	5'09	3'41	...	Jessore.	...
...	0'03	0'23	...	...	...	...	...	7	3'4	3'63	2'11	1'72	3'63	3'50	...	Jhenidah.	...
...	0'51	...	2'27	...	...	...	...	4	2'6	4'46	1'61	2'27	4'81	3'06	...	Magoorah.	...
...	Bongong.	...
...	...	0'03	0'08	...	0'48	0'98	...	...	...	4	1'9	1'87	0'72	0'98	1'97	1'94	Moorshedabad.	Kandi	...
...	...	0'40	0'00	...	1'19	...	...	...	...	4	2'1	1'89	1'04	1'19	2'04	2'41	...	Berhampore.	...
...	1'90	...	...	...	...	4	1'8	2'51	0'73	1'80	2'51	1'87	...	Lalbagh.	...
...	...	0'02	0'04	...	0'77	...	...	...	...	4	2'0	1'01	0'77	0'77	1'01	2'03	...	Azimung.	...
...	0'15	...	1'42	...	...	...	...	2	2'3	1'37	0'61	1'42	1'37	1'79	...	Jaugipore.	...
...	0'19	...	2'50	...	...	...	...	3	2'1	2'72	0'80	2'50	2'72	2'09	...	Lalgola.	...
...	...	0'13	0'85	0'71	0'25	0'05	4'44	...	...	6	2'7	6'43	1'88	4'44	6'43	2'71	Chittagong	Cox's Bazar	...
...	...	1'73	1'47	0'75	0'42	1'38	0'13	1'62	...	7	3'7	7'30	1'84	1'73	7'30	3'46	...	Chittagong.	...
...	Kutubdia.	...
...	Satkang.	...
...	...	0'45	0'43	0'31	0'02	1'12	0'10	1'10	...	9	4'2	3'51	2'72	1'12	5'51	4'33	Chittagong	Rangamati	...
...	...	1'00	1'61	1'70															

Table of Rainfall recorded at Station

[illegible]

Bengal in March 1886—continued.

23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1886 up to 31st March 1886.	Average rainfall from 1st January up to 31st March 1886.	Station.	District.	Meteorological division.
...	0.31	1.25	...	1.30	1.40	1.32	...	...	3	?	5.58	?	2.25	5.58	?	Harishpore ... (Sundip). Ramganj.	Noak holly— conold.	East Bengal
...	0.09	0.28	0.24	0.14	2.22	0.11	0.90	...	7	?	3.95	?	1.22	3.95	?	Madaripore ... Furzedpore.	Furzedpore.	
1.25	...	0.15	0.08	0.42	1.38	...	...	...	7	4.4	4.50	1.93	1.25	4.50	3.63	Goalundo.		
...	0.20	...	0.24	1.30	1.33	...	...	...	6	5.0	4.51	3.93	1.38	4.78	5.82	Munshigunge.	Dacca.	
...	0.03	0.94	...	2.35	1.23	...	...	...	5	4.9	5.09	2.50	2.33	5.09	3.78	Dacca.		
...	0.04	0.04	0.91	1.39	1.29	...	...	...	5	?	4.82	2.76	1.35	4.93	3.91	Naraingunge.		
...	1.85	1.12	1.16	...	0.21	...	8	3.7	14.62	1.69	1.59	4.62	3.35	Manickgunge.		
...	0.78	0.76	1.03	...	...	...	5	?	2.88	?	1.12	2.88	?	Joydebpore.		
0.14	0.09	...	0.93	0.50	1.21	0.10	0.09	...	9	5.8	3.49	2.90	1.03	3.53	4.38	Cowilla.	Tipperah.	
...	0.20	...	2.90	...	...	...	4	4.0	3.54	3.20	2.21	3.58	4.40	Chandpore.		
0.48	0.09	...	0.35	1.34	1.25	0.40	...	...	6	5.6	3.86	4.38	1.90	3.86	6.40	Brahmanberia.		
...	0.70	0.67	0.68	0.80	...	...	6	?	2.61	?	0.54	2.61	?	Ramchandrapore.		
...	0.03	...	1.64	1.74	...	...	...	...	4	?	3.76	?	1.80	3.93	?	Nasirnagar.		
...	1.75	1.18	...	...	...	4	?	4.28	?	1.74	4.37	?	Daudkandi.		
...	1.08	...	0.34	1.75	1.67	...	...	...	5	?	5.87	?	1.75	5.87	?	Kasbi.		
...	0.29	0.93	1.56	...	...	...	4	?	3.03	?	1.75	3.04	?	Laksham.		
0.07	0.41	0.12	0.44	...	...	...	7	5.8	2.23	3.00	1.56	2.25	4.45	Kishoregunge.	Myriensingh.	
...	0.09	0.14	1.00	...	0.12	...	3	2.5	1.23	1.23	0.64	1.23	2.87	Atia (Tangail).		
...	0.21	...	...	...	2.22	0.02	...	...	6	4.3	1.44	2.00	1.00	1.44	3.00	Myriensingh.		
...	0.14	...	0.84	...	...	...	2	2.7	2.34	1.45	1.06	2.34	3.04	Jamulpore.		
...	0.63	...	...	...	3	3.3	1.46	1.72	2.22	1.33	2.37	Netrokona.		
...	0.20	1.00	...	...	0.30	...	2	?	1.31	?	0.84	1.46	?	Subornakhally.		
...	0.87	...	...	...	...	4	?	1.53	?	0.68	2.65	?	Durgapore.		
...	1	?	0.87	?	1.00	0.87	?	Deccanjanj.		
...	...	0.21	...	1.32	...	...	...	...	4	3.6	2.33	1.54	1.87	2.33	3.04	Pubna.	Pubna.	
...	...	0.02	0.04	0.06	1.19	...	...	...	3	2.5	2.15	1.10	1.32	2.36	1.52	Serajgunge.		
...	1.02	...	...	...	...	1	2.0	1.02	1.12	1.19	1.02	2.41	Sherpore.	Bogra.	
...	...	0.25	...	1.16	...	...	...	...	3	2.7	1.57	0.88	1.01	1.47	2.15	Nowkhilla.		
...	...	0.04	...	1.06	...	...	...	...	2	2.1	1.10	0.78	1.10	1.1	2.20	Bozra.		
...	1.15	...	...	...	...	2	1.3	1.18	0.86	1.06	1.43	1.73	Panchbibi.		
...	3	2.6	1.93	1.18	1.40	1.93	2.40	Beasleah.	Rajshahye.	
...	1	1.7	1.15	0.74	1.15	1.15	2.20	Natore.		
...	1.15	...	...	...	2	?	1.10	?	1.01	1.22	?	Naogaon.		
...	1.01	...	...	...	1	?	1.02	?	1.02	1.02	?	Lalpor.		
...	1.02	...	...	...	1	?	1.00	?	1.00	1.07	?	Maada.		
...	2	2.2	1.64	0.88	1.23	2.49	2.28	Maldah.	Maldah.	
...	1.23	...	...	...	2	1.4	0.36	0.45	0.19	0.71	1.67	Chanchal.		
...	0.17	...	...	...	12	?	2.21	?	1.86	2.52	?	Gajol.		
...	1.86	...	...	...	1	?	0.43	?	0.43	0.83	?	Sibgunj.		
...	0.43	...	...	...	1	1.6	0.86	0.63	0.86	1.40	1.36	Mohadebpore.	Dinagpore.	
...	0.86	...	...	...	2	1.5	0.37	0.41	0.43	0.81	0.96	Churamon.		
...	0.14	...	...	...	2	1.6	0.23	0.45	0.18	0.40	1.40	Raigunge.		
...	0.05	...	...	...	2	2.0	0.34	0.74	0.29	0.42	1.61	Dinagpore.		
...	0.05	...	...	...	1	2.0	1.75	0.52	1.75	2.01	0.91	Baloorghat.		
...	1	2.1	0.99	1.36	0.99	2.69	2.23	Bhawaningunge.	Rangpore.	
...	0.09	...	...	...	3	2.5	0.08	1.04	0.04	0.14	1.81	(Gyabunda).		
...	0.91	...	...	...	2	2.7	3.04	1.75	2.65	3.04	2.57	Rangpore.		
...	2.65	0.30	...	...	1	1.8	0.21	1.00	0.21	0.46	1.84	Kurigram.		
...	1	?	0.06	?	0.06	0.06	?	Bardogra.		
...	1	?	0.06	?	0.06	0.06	?	(Nilphamari).		
...	1	?	0.06	?	0.06	0.06	?	Ulipore.		
...	0.21	0.11	0.07	...	4	2.9	0.66	1.73	0.27	0.81	2.49	Julpigoree.	Julpigoree.	
...	0.65	2.02	...	...	2	?	2.67	?	2.02	2.69	?	Alipore Doar.		
...	0.31	0.53	0.41	0.34	5	?	1.74	?	0.32	1.74	?	Falcutta.		
...	0.71	1.29	0.25	...	3	3.1	2.25	1.71	1.29	2.46	2.55	Dinhatia.	Cooch Behar.	
...	0.55	0.37	0.02	0.35	5	3.1	1.33	1.63	0.45	1.40	2.32	Cooch Behar.		
...	1.34	2.00	0.21	...	3	3.0	3.37	1.16	2.09	3.89	1.63	Mickligunge.		
...	0.81	0.49	0.34	...	4	3.0	2.10	2.34	0.81	2.24	2.93	Matabanaga.		
...	2	4.9	0.87	2.90	0.67	1.33	4.72	Buxa.	Darjeeling Hill	
...	0.05	0.28	...	...	4	3.0	1.25	1.25	0.76	1.67	1.75	Siliguri.		
...	0.98	0.24	0.32	...	6	5.3	2.83	2.32	0.98	3.40	4.17	Darjeeling.		
...	4	4.3	1.73	1.83	0.73	2.43	3.15	Kalimpong.	Purneah.	
...	2	1.7	0.11	0.07	0.06	0.35	1.06	Kissengunge.		
...	2	1.4	0.94	0.65	0.87	1.35	1.48	Arracah.		
...	2	1.1	0.53	0.37	0.49	0.85	1.34	Purneah.		
...	2	?	0.71	?	0.69	0.71	?	Gandwara.		
...	1	?	0.28	?	0.28	0.44	?	Balarampore.		
...	Nil	?	Nil	?	Nil	0.14	?	Muzari.		
...	Nil	?	Nil	?	Nil	?	?	Kaliajanj.		
...	1	1.2	0.08	0.32	0.08	0.44	1.32	Maddapore.	North Bhagalpore.	
...	Nil	?	Nil	?	Nil	0.42	1.14	Scoopool.		
...	Nil	?	Nil	?	Nil	0.25	?	Protabyanj.		
...	Nil	?	Nil	?	Nil	0.13	1.23	Tajpore.	Darbhanga.	
...	2	1.3	0.27	0.25	0.19	0.69	1.18	Darbhanga.		
...	Nil	?	Nil	?	Nil	Nil	1.60	Madanubani.		
...	2	?	0.30	?	0.20	0.66	?	Bahera.		
...	2	?	0.05	?	0.05	0.34	?	Roshara.		
...	1	1.3	1.24	0.63	1.24	1.24	1.47	Sitamarhi.	Mouafferpore.	
...	1	1.6	0.72	0.46	0.72	1.06	1.87	Mouafferpore.		
...	0.01	?	0.14	0.58	0.14	0.70	1.45	Hajipore.		
...	0.01	?	0.63	?	0.62	1.01	?	Pura.		
...	1	?	0.40	?	0.40	0.40	?	Mahua.		
...	Nil	?	Nil	?	Nil	Nil	?	Sinhar.		
...	1	?	0.32	?	0.32	0.63	?	Papri.		
...	1	1.4	0.43	0.54	0.43	0.61	1.33	Motihari.	Champain.	
...	1	0.9	0.67	0.39	0.67	0.82	1.63	Bariah.		
...	Nil	?	0.39	?	0.39	0.52	?	Bagaha.		
...	Nil	?	Nil	?	Nil	0.28	?	Burharra.		
...	1	1.1	0.5	0.11	0.05	0.21	1.06	Gopalgunge.	Saran.	
...	3	1.3	0.14	0.24	0.07	0.57	1.43	Sowai.		
...	2	0.9	0.26	0.59	0.26	0.32	1.31	Chupra.		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SOUTH BEHAR	Shahabad	Buxar	...	...	...	...	...	...	...	0'03	0'04	0'04	...	...	...	...	...	...	...	...	...	...
		Dehree	...	...	...	...	...	...	...	0'71	0'54	0'31	...	...	...	...	...	...	...	...	...	...
		Bhubooh	...	...	...	...	...	...	...	0'45	0'30	0'10	...	...	...	...	...	...	...	...	...	...
		Sasseram	...	...	...	...	...	...	...	0'44	0'54	0'46	...	...	...	...	...	...	...	...	...	...
		Arrah	...	...	...	...	...	...	...	...	...	0'53	...	...	...	...	...	...	...	...	...	...
	Gya	Mohaniah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Aurungabad	...	...	...	...	...	...	...	0'77	0'61	0'59	...	...	...	...	...	...	...	...	...	...
		Gya	...	...	...	...	...	...	...	0'77	0'56	...	...	...	...	...	...	...	...	...	...	...
		Nowadah	...	...	...	...	...	...	...	...	0'21	1'43	...	...	...	...	...	...	...	...	...	...
		Jehanabad	...	...	...	...	...	...	...	...	...	0'97	...	...	...	...	...	...	...	...	...	...
		Arwal	...	...	...	...	...	...	...	0'29	0'67	...	...	...	...	...	...	...	...	...	...	...
		Daudnagar	...	...	...	...	...	...	...	...	0'48	0'48	...	...	...	...	...	...	...	...	...	...
		Sherrghati	...	...	...	...	...	...	...	...	0'50	1'14	...	...	...	...	...	...	...	...	...	...
	Patna	Rajauli	...	...	...	...	...	...	...	...	1'00	1'30	...	...	...	...	...	...	...	...	...	...
		Pakri Barawan	...	...	...	...	...	...	...	...	0'10	2'50	...	...	...	...	...	...	...	...	...	...
		Patna	...	...	...	...	...	...	...	...	...	0'22	...	...	...	...	...	...	...	...	...	...
	Monghyr	Dinapore	...	...	...	...	...	...	...	...	...	0'26	...	...	...	...	...	...	...	...	...	...
		Behar	...	...	...	...	...	...	...	...	0'16	0'41	...	...	...	...	...	...	...	...	...	...
		Barrh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CHUTIA NAG-PUR.	South Bhagulpore.	Regosserai	...	...	...	...	...	...	...	...	...	0'19	...	...	...	...	...	...	...	...	...	...
		Monghyr	...	...	...	...	...	...	...	...	...	0'33	...	...	...	...	...	...	...	...	...	...
		Jamui	...	...	...	...	...	...	...	...	0'09	0'50	...	...	...	...	...	...	...	...	...	...
	South Bhagulpore.	Gogri	...	...	...	...	...	...	...	...	...	0'18	...	...	...	...	...	...	...	...	...	...
		Sheikpura	...	...	...	...	...	...	...	...	...	2'50	...	...	...	...	...	...	...	...	...	0'02
		Bhagulpore	...	...	...	...	...	...	...	...	...	0'70	...	...	...	...	...	...	...	...	...	...
	Sonthal Pergunnahs.	Banka	...	...	...	...	...	...	...	...	...	0'08	...	...	...	...	...	...	...	...	...	...
		Kolgong	...	...	...	...	...	...	...	...	...	1'05	...	...	...	...	...	...	...	...	...	...
		Rajmehal	...	...	...	...	...	...	...	...	...	0'28	...	...	...	...	...	...	...	...	...	...
	Hazaribagh	Goida	...	...	...	...	...	...	...	...	...	0'10	...	...	...	...	...	...	...	...	...	...
		Pakour	...	...	...	...	...	...	...	...	...	0'01	...	...	...	...	...	...	...	...	...	...
		Nya Doomka	...	...	...	...	...	...	...	...	0'40	1'01	...	...	...	...	...	...	...	...	...	...
		Deoghur	...	...	...	...	...	...	...	...	0'22	0'31	...	...	...	...	...	...	...	...	...	...
		Jamtara	...	...	...	...	...	...	...	...	0'86	0'02	...	...	...	...	...	...	...	...	...	...
		Simra	...	...	...	...	...	...	...	...	...	0'39	...	...	...	...	...	...	...	...	...	...
		Nanihat	...	...	...	...	...	...	...	...	0'25	0'16	...	...	...	...	...	...	...	...	...	...
		Pachamba (Giridi)	...	...	...	...	...	...	...	...	1'75	0'45	...	...	...	...	...	...	...	...	...	...
	Lohardugga	Hazaribagh	...	...	...	...	...	...	...	...	0'02	1'16	0'69	0'03	...	...	...	...	...	...	...	...
		Semtagurah	...	...	...	...	...	...	...	...	1'90	0'00	0'61	...	...	...	...	...	...	...	...	...
		Mahudi Hills	...	...	...	...	...	...	...	...	0'28	0'78	0'57	...	...	...	...	...	...	...	...	...
		Jhoomrah Hills	...	...	...	...	...	...	...	...	0'40	1'00	...	...	...	...	...	...	...	...	...	...
		Barhi	...	...	...	...	...	...	...	...	0'26	0'56	1'00	...	...	...	...	...	...	...	...	...
		Chatra	...	...	...	...	...	...	...	...	0'27	0'85	1'39	...	...	...	...	...	...	...	...	...
		Karagdeha	...	...	...	...	...	...	...	...	...	2'00	...	...	...	...	...	...	...	...	...	...
		Kamghar	...	...	...	...	...	...	...	...	0'11	0'45	0'18	...	...	...	...	...	...	...	...	...
	Singbhoom	Lohardugga	...	...	...	...	...	...	...	...	0'21	0'16	0'88	...	...	...	...	...	...	...	...	...
		Ranchi	...	...	...	...	...	...	...	...	...	1'95	0'15	...	...	...	...	...	...	...	...	...
		Palamow	...	...	...	...	...	...	0'07	0'17	...	1'12	0'75	...	...	...	...	...	...	...	...	...
		Silli	...	...	...	...	...	...	...	...	...	0'20	0'10	...	...	...	...	...	...	...	...	...
		Balumat	...	...	...	...	...	...	...	...	...	1'00	...	...	...	...	...	...	...	...	...	...
CHUTIA NAG-PUR.	Singbhoom	Hoseinabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Garwah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chyebassa	...	...	...	...	...	...	0'12	0'20	0	0'12	...	...	...	...	...	...	...	...	...	...
	Manbhoom	Chakradhar-pore.	...	...	...	...	...	...	0'50	0'72	0'20	...	...	...	...	...	...	...	...	...	...	...
		Ghatsila	...	...	...	...	...	...	...	0'11	0'61	0'17	0'68	0'18	...	...	...	...	...	...	...	...
		Baharagura	...	...	...	...	...	...	0'25	...	0'53	0'26	...	...	...	...	...	...	...	...	...	...
	Manbhoom	Purulia	...	...	...	...	...	...	...	...	0'21	0'05	...	...	...	...	...	...	...	...	...	...
		Gobindpore	...	...	...	...	...	...	...	...	0'03	0'04	...	...	...	...	...	...	...	...	...	...
		Raghunath-pore	...	...	...	...	...	...	...	...	0'35	...	...	...	...	...	...	...	...	...	...	...
		Barrabhoom	...	...	...	...	...	...	0'04	...	0'61	...	0'08	...	...	...	...	...	...	...	...	...
	Manbhoom	Jhalda	...	...	...	...	...	...	...	...	...	0'40	...	...	...	...	...	...	...	...	...	...
		Chas	...	...	...	...	...	...	...	...	0'20	...	...	...	...	...	...	...	...	...	...	...

METEOROLOGICAL OFFICE, BENGAL,
The 13th April 1886.

Bergal in March 1886—concluded.

	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1886 up to 31st Mar. 1886.	Average rainfall from 1st January up to 31st March 1886.	Station.	District.	Meteorological division.	
										3	1.6	0.11	0.27	0.04	0.41	1.23	Buxar	Shahabad	SOUTH BEHAR.	
										3	?	1.66	?	0.71	1.81	?	Dehree.			
										3	1.3	0.85	0.61	0.45	1.25	1.78	Bhunbooh.			
	0.08									4	1.3	1.62	0.29	0.54	1.62	1.26	Sasseram.			
										1	1.6	0.53	0.49	0.53	0.61	1.87	Arrah.		Gya.	
										Nil	?	Nil	?	Nil	0.10	?	Mohaniah.			
										3	1.5	1.97	0.40	0.77	2.38	1.33	Aurungabad.			
						0.04				3	1.8	1.37	0.43	0.77	1.77	1.63	Gya.			
						0.03				4	1.3	1.84	0.46	1.43	2.51	1.56	Nowadah.			
										1	1.2	0.97	0.33	0.97	1.47	1.39	Jehanabad.			
	0.36									3	?	1.32	?	0.67	1.32	?	Arwal.			
										2	?	0.96	?	0.48	1.46	?	Daudnagar.			
										3	?	1.74	?	1.14	1.74	?	Sherrghati.		Patna.	
						0.20				3	?	2.50	?	1.30	2.62	?	Rajauli.			
										2	?	2.60	?	2.50	2.60	?	Pakri Bara-wan.			
										2	1.6	0.42	0.35	0.22	0.58	1.51	Pafna			
	0.02									2	0.8	0.28	0.17	0.26	0.30	0.98	Dimpore.		Monghyr.	
	0.5									3	1.4	0.62	0.26	0.41	1.12	1.35	Behar.			
	0.10									1	1.3	0.10	0.34	0.10	0.10	1.20	Barrh.			
										2	0.9	0.21	0.23	0.19	0.94	1.2	Begoeserai			
										2	1.6	0.42	0.44	0.33	1.11	1.50	Monghyr.			
						0.09				3	1.0	0.77	0.34	0.59	1.00	1.60	Jamui.			
						0.09				1	?	0.18	?	0.18	0.53	?	Gagri.			
										2	?	2.52	?	2.50	2.02	?	Sheikpura.			
						0.07				2	1.1	0.77	0.38	0.70	1.50	1.51	Bhagulpore	South Bhagal-pore.	Sonthal Per-gunnahs.	
						0.20				2	1.1	0.28	0.29	0.20	0.68	1.36	Banks.			
										1	?	1.05	?	1.05	2.30	?	Koigong.			
										2	0.7	0.87	0.32	0.50	1.22	0.96	Rajmehal			
						0.59				2	0.9	0.45	0.33	0.35	0.60	1.2	J. dda			
						0.35				3	1.3	0.92	0.56	0.65	0.95	1.51	Pakour.			
						0.65	0.26			4	2.0	2.14	0.70	1.01	2.15	1.80	Nya Bommka.			
						0.70				3	1.8	0.77	0.67	0.31	0.82	1.74	Deoghur			
						0.24				2	1.5	0.88	0.79	0.86	1.09	1.56	Santhara.		Hazaribagh	
						0.24				2	?	0.63	?	0.39	1.14	?	Simra.			
						1.05				4	?	1.51	?	1.05	1.51	?	Nanikat.			
										3	2.0		0.69	1.75	2.43	1.79	Pachamba			
												2.11					(Gurdi).		CHUTIA NAGPUR.	
										6	3.1	3.45	0.74	1.16	2.17	1.96	Hazaribagh.			
	0.32									4	2.1	1.74	1.54	1.90	3.43	2.28	Santagurah.			
	0.11									4	2.1	1.40	1.01	0.78	1.74	2.02	Manudi Hills.			
										2	2.0	1.40	1.02	1.00	1.40	1.32	Jhoomursh Hills			
	0.08									5	?	1.93	?	1.00	1.19	?	Barhi.			
	0.03									5	?	2.62	?	1.39	2.62	?	Chatra.			
	0.09	0.02								2	?	2.37	?	2.00	2.37	?	Karagdeha.			
						0.37				7	?	1.48	?	0.50	1.79	?	Ramghar.		Lohardugga.	
						0.50														
										5	?	1.58	?	0.88	1.72	?	Lohardugga			
	0.28					0.05				6	3.4	2.70	1.39	1.95	2.05	3.19	Ranchi.			
	0.26					0.15	0.04			5	2.0	2.37	0.73	1.12	2.47	1.76	Palamow.			
	0.02									4	?	1.34	?	1.02	1.39	?	Suli.			
										1	?	1.00	?	1.00	1.00	?	Batumat.			
	0.16	0.09									?	?	?	?	?	?	Hosevnabad.			
											?	?	?	?	?	?	Garwah.		Singbhoom.	
										4	3.1	1.20	1.35	0.76	1.80	2.90	Chyebassa			
	0.15	0.05				0.15				6	?	2.76	?	0.95	2.88	?	Chakradhar-pore.			
										7	?	3.11	?	1.12	3.33	?	Ghatila.			
						1.12				4	?	2.06	?	1.02	2.04	?	Baharagura.		Manbhoom.	
						1.02														
	0.14					0.47	0.13			6	3.7	1.11	0.97	0.47	1.16	2.29	Purulia			
										4	1.6	0.24	0.46	0.09	0.24	1.89	Gobindapore.			
										3	?	1.65	?	0.80	1.68	?	Ragnunath-pore.			
										6	?	1.22	?	0.61	1.51	?	Barrabhoom.			
						0.30				2	?	0.74	?	0.40	1.37	?	Jhalia.			
	0.05	0.14								3	?	0.37	?	0.20	0.6	?	Chas.			
	0.08	0.14																		

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Offy. Meteorological Reporter to the Govt. of Bergal.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL DURING THE MONTH OF MARCH 1886.

The transition from the cold weather conditions to those of the hot season generally commences towards the end of February, so that the month of March in the Province of Bengal usually witnesses the complete establishment of the hot weather season. The area of maximum temperature in India is, in the cold-weather months, situated in the south of the Peninsula, but with the increasing altitude of the sun during February and March, the seat or focus of maximum temperature gradually advances northwards, or perhaps in a north-westerly direction, till in March it usually occupies the central parts of the Deccan, and as the month advances towards the end, and in the beginning of April, maximum temperature is usually found in the Central Provinces and Central India, and in parts of South-West Bengal, Behar, and Chutia Nagpur.

At the same time there is a steady and generally rapid increase of temperature of the atmosphere of the whole of Northern India, and this accompanies or perhaps probably produces a corresponding reduction of atmospheric pressure. Pressure which is lowest during the cold-weather months in the south of the Bay, where temperature is then highest, gradually gives way, and the seat of lowest pressure travels northwards till it occupies generally the Central Provinces and Chutia Nagpur, thus to a certain extent following the seat of maximum temperature.

With the northerly advance of the area of low pressure, and with the increasing difference of temperature between the plains of Bengal and the sea area, caused by the unequal heating effects of the sun's rays on the land and sea surface, the moist southerly and south-westerly winds, which blow over Bengal, become stronger and more constant, and they gradually penetrate over the greater part of the Province. At the same time, however, north-westerly and westerly winds still continue to blow from Upper India, and to influence a large part of Behar, though with the increasing temperature they become hot westerly winds. Easterly winds also blow down the Assam Valley, and their influence frequently extends as far west as Purneah and Durbhunga. Three converging systems of winds are thus present in Bengal, and by their interaction, or probably by the interaction of any two of them, it is believed the hot weather storms of Bengal, generally known as nor'-westers, are produced, though up to the present time our knowledge as to the formation and life history of these storms is very limited.

The normal features of the meteorology of March in Bengal are therefore rapidly increasing temperature, gradually decreasing pressure, a general increase in the air motion, great dryness of the air at the inland stations, and clear skies. These conditions are, however, as pointed out in the last paragraph, liable to be disturbed by the occurrence of storms which are generally local in character, and which give rise in many cases to rather heavy rain, though from the nature of the storms the rainfall is unevenly distributed. Occasionally, too, barometric depressions form over Northern India, and subsequently extending, they influence the weather in Behar, Chutia Nagpur, and North Bengal, giving rise to light to moderate rain. By these irregular or spasmodic actions a moderate amount of rain generally falls in Bengal during the month. The average rainfall of the month is least in Behar, where it is little more than a third of an inch. In Chutia Nagpur and Orissa it is a little less than an inch. In North Bengal the average rainfall is a little more than an inch, though the districts in and near the hills receive larger amount than the plains. South-West Bengal receives an average amount of an inch and a quarter, while East Bengal receives about two and a half inches of rain.

The chief features in the meteorology of the past month have been—

1. An almost normal pressure, the mean difference for the province being an excess of less than a hundredth of an inch.
2. Temperature decidedly lower than the normal, the mean variation being a defect of nearly 1°.
3. Humidity and cloud proportion nearly normal, though the variations show these elements slightly in defect of the normal at most stations.
4. Two distinctly marked periods of disturbance during the month, the first lasting generally for two or three days, and occurring from about the 7th to the 10th, and the second period lasting about five days, and occurring generally from the 24th to the 29th.
5. Rainfall generally decidedly in excess of the normal, the only exception being in the North Behar district, where there has been a slight defect. For the whole province the mean rainfall shows an excess equal to 116 per cent. of the normal fall.

At the close of February and the commencement of the present month, conditions appeared to show the rapid approach of the hot weather season, but, on about the 4th of March, a distinct but shallow area of barometric depression formed over part of Behar and Chutia Nagpur, and this disturbed condition was followed by the formation of a few local storms, in most cases accompanied by rain and in some cases by hail also, over Orissa, South-West and East Bengal. On the 6th a further and rapid fall of pressure took place over parts of Upper India, forming a decided depression, which was followed by moderate rain over Northern India, while snow fell round Simla as low as 7,500 feet. These disturbed conditions then extended to Bengal, and general rain, usually accompanying local storms, fell over a large part of the province between the 7th and the 10th instants. Conditions then became more

settled for a time, and north-westerly and westerly winds were general, the skies cleared, and humidity decreased, while rainfall was practically absent. From about 23rd instant conditions in Bengal became disturbed in a somewhat similar manner to that just described, and for a second period of about five days local storms accompanied by rain became rather general, but in this second period rainfall in North Bengal and North Behar was almost absent. Finally, from about the 28th or 29th of March, except in parts of East and North Bengal, these disturbances disappeared, and the ordinary hot weather conditions again set in.

As has been previously indicated, the mean pressure of the province for the month has been very nearly normal, and the average variation is an excess of only 0.008". Very considerable fluctuations of pressure have, however, been recorded for the month, and thus in the first week there was a mean defect of 0.049", while at Gya the defect was 0.083". In the second week this defect was more than compensated, and an excess pressure of 0.085" was registered, while at some stations the excess was more than a tenth of an inch. In the third week there was a general excess of 0.043", which was smallest in East Bengal and largest in North Bengal, and finally for the last twelve days of the month pressure was in defect by 0.037". This gives a general excess of a little less than a hundredth of an inch. The distribution of this variation for the month has been fairly regular, but the eastern and northern districts showed relatively a larger excess than the southern and western districts. At the close of the month, however, the distribution of pressure was rather anomalous: Orissa and South-West Bengal showed a defect of nearly 0.03," while North Behar showed an excess of almost equal amount.

Temperature.—Variations during the month have been exceptionally large. In the week ending the 5th of March, the mean temperature over the whole province was between 4° and 5° above the normal. In the second week temperature fell rapidly, and it averaged 3.4° below the normal. In the week ending the 19th the defect had decreased to 1.8°; in the next week temperature was practically normal; and finally at the close of the month temperature had become about 2.8° below the normal. For the whole month the mean temperature has been decidedly in defect in all districts except North Behar, where a very small excess temperature (0.4°) has been registered. In all other districts the defect has varied from 1° up to 1.7°, and the mean temperature of the whole province has been a little less than 1° below the normal.

Rainfall.—Has been to a great extent brought by local storms, and has been confined to the two periods above mentioned. Rainfall has been very considerably in excess of the normal in Orissa, South-West Bengal and South Behar. Fairly large amounts have also been received in East Bengal and Chutia Nagpur. North Bengal has received decidedly more than the normal fall, while North Behar has registered a slightly defective fall. Expressed as a percentage of the normal fall for the period, the rainfall for March in Orissa has equalled 444 per cent; in South-West Bengal it has been 240 per cent; in South Behar it has averaged 237 per cent; in Chutia Nagpur the fall has equalled 196 per cent; in East Bengal 180 per cent., and in North Bengal 125 per cent. Finally, in North Behar the rainfall registered has only been 92 per cent. of the normal amount. The number of rainy days during the month has also largely exceeded those in normal years, and thus, while for this month at all stations the average number of days on which rain has fallen has been 4.1, the normal number for the period is only 2.4.

Notwithstanding that the average rainfall has been fairly abundant during the month, a good many stations, particularly in North Behar, show comparatively small rainfall, and in some cases no rain at all. Thus the following stations in this district report absolutely no rain in March:—Maliara, Kaliagunge, Soopool, Protabgunge, Tajpore, Madhubani, Sinhar and Barhurwa. In other divisions, however, the rainfall has been fairly evenly distributed.

The following table gives the summary of the temperature and rainfall data of each of the seven Meteorological Divisions of the Province for the month of March 1886:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.								RAINFALL.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 15th May 1885.			
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.		
Orissa	104°4	63°0	88°6	72°5	80°5	-1°2	4°00	0°90	+3°10	6°5	2°2	+4°3	48°48	56°38		
South-West Bengal	101°8	55°1	80°5	68°3	70°6	-1°0	3°60	1°25	+1°75	5°0	2°7	+2°3	63°18	53°63		
East Bengal (a)	97°3	46°1	87°4	65°5	76°2	-1°0	4°42	2°46	+1°96	6°3	4°2	+2°1	81°96	70°38		
North Bengal	99°4	51°6	89°4	62°0	76°7	-	1°37	1°09	+0°28	2°5	2°4	+0°1	71°41	72°78		
North Behar (b)	99°5	49°8	82°7	62°4	76°4	+0°4	0°35	0°38	-0°03	1°3	1°2	+0°1	48°29	48°97		
South Behar	99°9	52°0	89°0	64°0	77°0	-1°7	0°83	0°35	+0°48	2°5	1°3	+1°2	50°61	43°13		
Chutia Nagpur	98°3*	54°9*	84°0*	62°2*	73°0*	-1°1*	1°86	0°95	+0°91	4°4	2°5	+1°9	50°61	49°75		

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METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.													
			AIR PRESSURE.			WIND.		TEMPERATURE.								
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
UNDEVELOPED.	Pooree	Gopalpore	29.828	29.878	—	SSW	250	85.2	6th, 8th April.	75.8	4th, 6th April.	84.3	77.4	80.9	—	82.7
		False Point	29.858	29.879	—0.06	SSW	243	88.5	6th, 7th April.	68.5	5th "	87.7	70.3	82.0	—2.4	84.9
	Cuttack	Cuttack	29.781	29.862	—0.06	SSW	99	100.4	9th "	71.8	5th, 6th April.	97.8	76.3	87.1	—1.2	86.8
	Balasore	Balasore	29.826	29.886	—	N	208.5	94.4	4th "	65.8	5th "	91.7	72.3	82.0	—	84.1
	South-West Midnapore	Saugor Island	29.843	29.869	—0.13	S	291	90.2	5th "	73.0	6th "	88.3	77.9	83.1	—0.8	83.7
	South 24 Pargunnahs	Midnapore	29.721	29.870	—	S	141.0	99.3	8th, 9th April.	67.7	6th "	96.5	73.0	84.8	—	84.2
	24-Pargunnahs	Calcutta	29.845	29.867	+0.13	SSW	137	92.5	9th "	64.2	6th "	91.4	71.6	81.5	—4.0	84.1
	Howrah	Howrah	29.776	29.876	+0.07	S	74.7	97.7	8th "	61.2	6th "	94.0	68.4	81.2	—5.6	84.1
	Bankoora	Bankoora*	29.841	—	—	SE	95	97.1	6th, 7th April.	64.2	6th "	95.4	70.7	83.1	—	83.4
	Beerbhoom	Raneegunge	29.538	—	—	E	129.3	99.6	8th "	65.0	5th "	95.1	69.2	82.2	—	84.1
SOUTH-WEST BENGAL.	West Burdwan															
	Moorshedabad	Berhampore	29.811	29.879	+0.033	SSW	110.1	95.7	8th "	60.2	6th "	91.9	66.6	79.3	—6.9	81.7
	Nuddea	Krishnagore	29.819	—	—	NE, SE	77.2	93.1	8th "	57.0	6th "	91.7	65.7	78.7	—	83.7
	Jessore	Jessore	29.838	29.872	+0.07	S	88.3	93.8	3rd "	61.5	6th "	92.0	69.5	80.8	—4.4	84.7
	Khoolna															
	Chittagong	Chittagong	29.814	29.905	—0.06	S, SE	123	84.6	5th "	65.5	6th "	84.0	69.6	76.8	—4.2	80.7
	Chittagong Hill Tracts	Demagiri				Observations not received.										
	Backergunge	Barrisal	29.870†	29.882†	—	S	130.8	89.8	4th April.	68.9	5th "	87.8	72.0	79.9	—	83.1
	Noakholly	Noakholly	29.855	29.879	—	S	?	88.0	6th "	64.4	8th "	86.5	69.7	78.1	—	83.1
	Furreehpore	Furreehpore	29.846*	—	—	NNW	108	91.0	3rd "	60.8	6th "	87.3	65.9	76.6	—	81.2
EAST BENGAL.	Dacca	Dacca	29.859	29.882	+0.025	SSE	120	89.8	3rd "	63.9	8th "	87.0	68.5	77.7	—5.4	82.7
	Tippurah	Commillah	29.858	29.894	—	SE	119.5	89.4	4th "	60.9	8th "	85.8	66.8	76.3	—	79.7
	Mymensingh	Mymensingh	29.828	—	—	ESE	211.0	92.3	3rd "	60.1	7th "	86.4	66.1	76.3	—	79.7
	Bogra and Pabna	Bogra	29.806	—	—	ENE	?	94.9	3rd "	62.1	6th "	88.7	64.8	76.8	—	79.7
		Serajgunge	29.837	29.884	—	ENE	169.0	93.1	3rd "	59.7	4th "	87.8	64.6	76.2	—	78.1
	Rajshahye	Rampore Beau- leach.	29.813	29.883	—	NE, SW	69.9	93.3	3rd "	56.7	6th "	90.9	63.6	76.7	—	81.2
	Maldah	Maldah	29.703	—	—	SE	54	89.2	5th "	55.6	6th "	88.7	61.3	75.0	—	80.8
	Dinapore	Dinapore	29.767	29.859	—	SW, NE	145	96.6	4th "	55.7	6th "	91.4	61.3	76.9	—	82.1
	Rungpore	Rungpore	29.762	29.859	—	E	124	93.1	3rd "	54.2	4th "	87.2	58.9	73.1	—	78.1
	Julpigoree	Julpigoree	29.662	29.853	—	E	100.1	91.0	3rd "	51.9	4th, 5th April.	87.1	58.6	72.8	—	75.1
CENTRAL BENGAL.	Cooch Behar.															
	Darjeeling Hill Districts	Darjeeling	22.948	—	—	Calm, ENE	98.7	61.7	3rd "	33.8	5th "	56.2	41.1	48.7	—	51.1
	Purneah	Purneah	29.746	29.872	+0.058	W, Calm	36.5	94.2	3rd, 4th April.	?	—	92.1	?	?	?	84.1
	North Bhagulpore															
	Mozufferpore	Mozufferpore				Complete observations not to hand.										
	Durbhanga	Durbhanga	29.710	29.881	+0.073	ESE	?	89.6	8th April.	60.2	4th April.	87.7	64.2	76.0	—6.0	82.1
	Chumbarun	Motihari	29.622	29.854	—	SE	245.3	92.0	8th "	51.9	4th "	89.1	59.2	74.2	—	78.1
	Sarun	Chupra	29.603	—	—	SE, W	166.3	96.5	3rd "	59.4	4th "	92.4	63.6	78.0	—	83.1
		Dehree	29.506	29.861	—	W	235.0	97.7	3rd "	55.0	6th "	92.2	61.1	76.7	—	83.1
	Shahabad	Buxar	29.613	29.857	—	E, W	187.2	96.9	8th "	57.4	4th "	91.0	64.3	77.0	—	84.1
SOUTH BENGAL.		Arrah	29.638	29.837	—	E, W	162.6	95.9	8th "	58.8	4th "	92.1	64.0	78.1	—	83.1
	Gya	Gya	29.462	29.841	—0.12	Calm	103.0	99.4	8th "	68.0	3rd "	93.3	62.3	77.8	—9.7	83.1
	Patna	Bankipore	29.650	29.865	+0.033	E	102.5	94.6	8th "	62.1	6th "	91.5	64.4	78.0	—7.5	82.1
	South Bhagulpore	Bhagulpore	29.690	29.854	—	E	74	93.4	3rd "	60.0	6th "	90.6	64.3	77.5	—	83.1
	Mouhhyr															
	Sonthal Pargunnahs	Doomka	29.358	—	—	ESE	119.7	97.4	8th "	59.9	6th "	92.2	66.5	79.4	—	82.1
	Hazaribagh	Hazaribagh	27.848	29.348	—0.02	NW	205.8	96.7	8th "	59.5	4th "	89.9	63.7	76.8	—5.4	82.1
	Lehardunga	Ranchee	27.725	29.339	—	SW	176.7	96.5	8th "	59.6	6th "	89.6	63.9	76.3	—	82.1
	Manbloom															
	Singbhoom	Chyabassa	29.090	—	—	NE	46.1	102.8	8th "	68.0	5th "	96.3	67.5	81.9	—	82.1
CHUTIA NAGAS.																

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical averages of means of the readings during the season. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast by 100. "Variations of rainfall," the normal means are the numerical means or averages of the rainfall in that district determined from the returns sent in by the sub-divisional stations (i.e.) from the total rainfall at the sub-divisional stations in the district sending in returns divided by the number of stations. A * Mean for six days, † " " five "

week ending Friday, the 9th of April 1886.

DISTRICT OBSERVATIONS.													Representative station.	DISTRICT.	MET. OROLOGICAL DIVISION.	
Average cloud amount at 10 A. M. for week.	Rainfall of week at observing stations.	RAINFALL.														
		Of week.		Since 1st of Month.			Since 15th May 1885.			Average number of rainy days.	Normal number of rainy days.					
		Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.							
0	Nil	—	—	—	—	—	—	—	—	—	—	—	Gopalpore	Pooree	ORISSA.	
73	Nil	Nil	0'42	0'01	0'45	-0'44	43'52	59'12	-15'00	0'0	0'5	False Point	Cuttack	SOUTH-WEST BENGAL.		
14	Nil	Nil	0'26	Nil	0'29	-0'29	46'54	56'23	-9'09	0'0	0'6	Cuttack	Burdwan			EAST BENGAL.
27	Nil	Nil	0'33	0'08	0'38	-0'30	52'42	56'71	-4'29	0'0	0'7	Balasore	Backergunge				NORTH BENGAL.
34	Nil	Nil	0'21	Nil	0'22	-0'22	73'59	65'55	+8'04	0'0	0'7	Saukor Island	Chittagong		SOUTH BENGAL.	
17	Nil	Nil	0'26	Nil	0'27	-0'27	77'66	52'82	+24'84	0'0	0'7	Midnapore	Mozufferpore	SOUTH BENGAL.		
31	Nil	0'11	0'36	0'11	0'43	-0'32	63'88	54'46	+9'42	0'3	0'8	Calcutta	Durbhunga			SOUTH BENGAL.
24	Nil	Nil	0'37	Nil	0'40	-0'40	55'09	45'70	+6'39	0'0	0'9	Burdwan	Chumpran				SOUTH BENGAL.
07	Nil	Nil	0'14	Nil	0'15	-0'15	70'54	51'52	+19'02	0'0	0'5	Bankoora	Patna		SOUTH BENGAL.	
21	Nil	Nil	0'20	Nil	0'25	-0'25	62'09	52'65	+10'34	0'0	0'6	Raneegunge	Shahabad	SOUTH BENGAL.		
09	Nil	Nil	0'23	Nil	0'33	-0'33	52'89	50'70	+2'19	0'0	0'7	Herhampore	Gya			SOUTH BENGAL.
36	Nil	Nil	0'62	Nil	0'71	-0'71	60'13	51'95	+8'18	0'0	1'1	Krishnaghar	Arrah				SOUTH BENGAL.
47	0'25	0'54	0'55	0'54	0'60	-0'06	62'08	57'10	+5'58	0'5	1'1	Jessore	Chyebassa		SOUTH BENGAL.	
06	0'16	0'53	0'32	0'53	0'38	+0'15	141'00	115'25	+26'35	2'5	0'7	Chittagong	Singonoom	SOUTH BENGAL.		
27	1'58	1'06	0'42	1'06	0'44	+0'62	89'30	81'11	+8'19	0'8	0'9	Demagiri	Manbhoom			SOUTH BENGAL.
31	2'97	4'25	0'55	4'25	0'71	+3'54	108'32	114'25	-5'93	2'5	1'0	Barrisal	Dehree				SOUTH BENGAL.
36	0'10	0'32	0'67	0'32	0'76	-0'44	66'65	60'03	+6'62	1'3	1'3	Furreedpore	Manbhoom		SOUTH BENGAL.	
21	4'79	4'07	0'93	4'07	1'09	+2'98	69'11	65'01	+4'10	2'0	1'6	Dacca	Manbhoom	SOUTH BENGAL.		
01	5'10	3'66	0'75	3'66	0'99	+2'67	79'02	76'97	+2'05	3'0	1'2	Commillah	Manbhoom			SOUTH BENGAL.
27	1'05	1'36	0'76	1'64	0'88	+0'76	69'43	68'18	+1'25	1'8	1'3	Mymensingh	Manbhoom				SOUTH BENGAL.
23	0'33	0'31	0'30	0'31	0'35	-0'04	55'28	58'64	-3'36	1'0	0'7	Bogra	Manbhoom		SOUTH BENGAL.	
04	0'74	0'38	0'55	0'39	0'74	-0'35	61'20	56'10	+5'10	1'0	1'1	Serajgunge	Manbhoom	SOUTH BENGAL.		
14	Nil	Nil	0'30	Nil	0'40	-0'40	57'81	54'42	+3'39	0'0	0'7	Rampore Beaulah	Manbhoom			SOUTH BENGAL.
21	Nil	Nil	0'14	Nil	0'15	-0'15	59'00	56'25	+2'75	0'0	0'5	Dinagepore	Manbhoom				SOUTH BENGAL.
23	0'85	0'66	0'35	0'66	0'62	+0'04	70'16	76'59	-6'23	0'8	0'9	Rungpore	Manbhoom		SOUTH BENGAL.	
14	Nil	Nil	0'58	Nil	0'91	-0'91	107'72	114'54	-6'82	0'0	1'1	Julpigoree	Manbhoom	SOUTH BENGAL.		
08	Nil	Nil	1'18	Nil	1'71	-1'71	150'28	155'72	-5'44	0'0	2'1	Darjeeling	Manbhoom			SOUTH BENGAL.
19	Nil	Nil	0'15	Nil	0'18	-0'18	49'46	58'48	-9'02	0'0	0'4	Purneah	Manbhoom				SOUTH BENGAL.
01	Nil	Nil	0'04	Nil	0'07	-0'07	44'79	43'01	+1'78	0'0	0'2	Mozufferpore	Manbhoom		SOUTH BENGAL.	
01	Nil	Nil	0'04	Nil	0'06	-0'06	50'96	48'49	+2'47	0'0	0'2	Durbhunga	Manbhoom	SOUTH BENGAL.		
01	Nil	Nil	0'11	Nil	0'15	-0'15	55'42	45'75	+9'67	0'0	0'3	Motihari	Manbhoom			SOUTH BENGAL.
01	Nil	Nil	0'01	Nil	0'02	-0'02	43'03	42'47	+0'56	0'0	0'1	Chupra	Manbhoom				SOUTH BENGAL.
01	Nil	Nil	0'07	Nil	0'08	-0'08	43'37	40'09	+3'28	0'0	0'2	Buxar	Manbhoom		SOUTH BENGAL.	
01	Nil	Nil	0'03	Nil	0'06	-0'06	50'54	40'39	+10'15	0'0	0'2	Gya	Manbhoom	SOUTH BENGAL.		
01	Nil	Nil	0'04	Nil	0'05	-0'05	43'89	40'93	+2'96	0'0	0'3	Bankipore	Manbhoom			SOUTH BENGAL.
01	Nil	Nil	0'07	Nil	0'08	-0'08	48'36	42'06	+5'70	0'0	0'3	Shagulpore	Manbhoom				SOUTH BENGAL.
01	Nil	Nil	0'09	Nil	0'12	-0'12	61'87	49'18	+12'69	0'0	0'3	Doomka	Manbhoom		SOUTH BENGAL.	
01	Nil	Nil	0'03	Nil	0'04	-0'04	66'70	49'56	+17'14	0'0	0'2	Hazaribagh	Manbhoom	SOUTH BENGAL.		
01	Nil	Nil	0'11	Nil	0'14	-0'14	51'94	40'8	+2'86	0'0	0'5	Ranchie	Manbhoom			SOUTH BENGAL.
01	Nil	Nil	0'17	Nil	0'19	-0'19	54'90	54'37	+0'53	0'0	0'9	Chyebassa	Manbhoom				SOUTH BENGAL.

For ten years. The variation are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. The number denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head "District observations" are the numerical averages of the rainfall return received for the period in question during the past 12 years. The means of the district are the numerical averages of the rainfall return received which at least hundredth of an inch fell.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 9th of April 1886

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain- fall since 1st of month.	Average total rain- fall from 1st of month.	Total rain- fall since 15th May, 1885.
			Saturday, 3rd April.	Sunday, 4th April.	Monday, 5th April.	Tuesday, 6th April.	Wednesday, 7th April.	Thursday, 8th April.	Friday, 9th April.	Number of rainy days.	Rainfall week.			
ORISSA	Pooree	Pooree	Nil	Nil	Nil	0.18	30.24	
		Khurdah	Nil	Nil	0.03	0.14	45.82	
		Banpur	Nil	Nil	Nil	2.20	53.81	
		False Point	Nil	Nil	Nil	1.24	44.24	
		Hookitola	Nil	Nil	Nil	?	?	
		Gop	Nil	Nil	Nil	?	?	
	Cuttack	Pipl	Nil	Nil	Nil	?	?	
		Jagatsingapore	Nil	Nil	Nil	1.12	45.39	
		Banki	Nil	Nil	0.24	?	45.94	
		Cuttack	Nil	Nil	Nil	0.31	44.73	
		Kendrapara	Nil	Nil	Nil	0.18	52.36	
		Jaipore	Nil	Nil	Nil	0.54	43.70	
	Balasore	Dharmasalla	Nil	Nil	0.26	?	?	
		Salipore	Nil	Nil	Nil	?	?	
		Chandbali	Nil	Nil	Nil	0.43	55.46	
		Bhuddruck	Nil	Nil	Nil	0.64	49.45	
		Sorah	Nil	Nil	Nil	0.32	58.46	
		Balasore	Nil	Nil	0.49	0.26	35.19	
	SOUTH-WEST BENGAL.	Midnapore	Jellakore	Nil	Nil	Nil	0.19	?
			Baripodah	Nil	Nil	Nil	?	?
			Contai	Nil	Nil	Nil	0.26	73.02
			Saugor Island	Nil	Nil	Nil	0.11	86.60
			Tumlook	Nil	Nil	Nil	0.30	70.75
			Midnapore	Nil	Nil	Nil	0.16	72.21
24-Pargunnahs		Ghatal	Nil	Nil	Nil	0.34	90.03	
		Deog	Nil	Nil	Nil	?	?	
		Heria	Nil	Nil	Nil	?	?	
		Bhagwanpore	Nil	Nil	Nil	?	?	
		Garbeta	Nil	Nil	Nil	?	?	
		Diamond Har- bour.	0.07	1	10.07	0.07	0.27	61.35
Howrah	Canning Town	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?
	Alipore Jail	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.54	62.40
	Barrackpore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.42	61.77
	Dum-Dum	.....	.....	.....	.....	.....	.....	0.04	1	0.04	0.04	64.21
	Barasat	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.39	58.19
	Buseerhat	1.02	1	1.02	1.02	0.20	60.39	
Hooghly	Howrah	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.64	53.70
	Mohesra	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.34	68.90
	(Ooloberiah.) Serampore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.51	60.75
Hurdwan	Hooghly	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.34	63.55
	Jehanabad	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.40	84.06
	Culina	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.38	58.87
Bankoora	Burdwan	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.33	51.07
	Cutwa	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.49	65.41
	Mankur	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?
	Raneegunge	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.19	73.61
	Bankoora	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.26	67.93
	Bishenpore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.28	74.10
Beerbhoom	Maliara	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.05	63.68
	Khatra	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.01	76.93
	Indas	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?
	Kotapore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?
	Anda	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?
	Gangajalghati	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?
Nuddea	Raipore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?
	Sonamukhi	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?
	Bh. Soory	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.15	53.49
	Hetampore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.22	66.42
	Rampore Haut	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?
	Boipore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?
Khoosins	Ranaghat	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.53	61.09
	Kishnaghur	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.73	55.77
	Choondanga	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.75	43.05
	Meherpore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.79	58.19
	Koalites	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.76	62.55
	Satkira	1.63	1	1.63	1.63	0.40	75.30	
Jessor	Bagirhat	1.97	1	1.97	1.97	0.46	66.60	
	Khoosins	0.41	1	0.41	0.41	0.41	63.03	
	Narail	0.06	1	0.06	0.06	0.59	45.00	
	Jessore	0.25	1	0.25	0.25	0.85	67.54	
	Jhendah	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.93	55.70
	Magoorah	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.72	63.98
Moorshedabad	Bougong	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.46	61.70
	Kandi	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.41	55.14
	Berhampore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.38	51.14
	Lalbagh	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.13	64.25
	Azimkunge	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.42	53.49
	Jungipore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.55	47.37
Chittagong	Lalgolia	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.30	?
	Cox's Bazar	0.40	0.40	0.15	3	0.95	0.95	0.37	176.58	
	Chittagong	0.09	0.02	2	0.11	0.11	0.40	100.61	
	Kutubdia	1.08	0.39	?	?	
	Satkanya	?	?	
	Rangamati	?	?	
Backergunge	Hill Tracts.	1.00	1.08	0.08	0.12	4	2.28	2.28	0.76	70.87	
	Hill Tipperah	1.00	1.17	0.14	3	2.31	2.31	0.85	90.40	
	Agartola	2.40	1.01	?	
	Patuakhally	Nil	Nil	Nil	0.24	108.29	
	Perozepore	1	0.80	0.80	0.30	73.54	
	Burissal	1	1.77	1.77	0.78	85.54	
Bhola	Bhola	1	1.68	1.68	0.42	90.16	

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 9th of April 1886—contd.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1885.	Average rainfall from 15th May 1885 to date.
			Saturday, 3rd April.	Sunday, 4th April.	Monday, 5th April.	Tuesday, 6th April.	Wednesday, 7th April.	Thursday, 8th April.	Friday, 9th April.	Number of rainy days.	Rainfall week.				
EAST BENGAL—contd.	Noakholly	Gournaddi	.....	.....	.....	.....	.....	0.27	1.16	2	1.43	1.43	?	?	?
		Bauphal	.....	.....	.....	.....	.....	0.02	0.50	2	0.52	0.52	?	?	?
		Noakholly	.....	.....	.....	.....	1.20	1.78	.....	2	2.98	2.98	0.70	108.46	115.13
	Furreedpore	Fenny	0.20	.....	.....	.....	1.12	4.20	.....	3	5.52	5.52	0.70	108.16	113.30
		Harisore (Sondip)	.....	.....	.....	.....	.....	.....	.....	3	5.52	5.52	?	?	?
		Ramganj	.....	.....	.....	.....	0.85	1.01	0.50	3	3.05	3.05	?	?	?
	Dacca	Manariopore	.....	.....	.....	.....	0.37	0.55	.....	2	0.92	0.92	0.82	63.83	60.05
		Furreedpore	.....	.....	.....	.....	0.02	0.02	.....	2	0.04	0.04	0.72	68.33	61.63
		Goulundo	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.73	68.77	57.35
	Tipperah	Munshingunge	0.09	.....	.....	.....	1.35	2.94	.....	2	4.38	4.38	1.40	68.63	77.29
		Dacca	1.00	.....	.....	.....	0.40	3.20	.....	2	4.60	4.60	0.92	63.93	63.55
		Naraingunge	0.29	.....	.....	.....	0.55	2.03	.....	3	3.77	3.77	?	73.35	?
	Mymensingh	Manickgunge	.....	.....	.....	.....	0.68	2.55	.....	2	3.23	3.23	0.87	75.57	53.19
		Joydebpore	.....	.....	.....	.....	0.12	2.10	.....	2	2.22	2.22	?	?	?
		Comilla	1.53	0.23	.....	.....	2.55	0.45	0.22	5	4.98	4.98	0.90	63.63	82.14
	Mymensingh	Chandpore	.....	.....	.....	.....	1.10	1.50	0.30	5	2.90	2.90	0.90	63.65	82.77
		Brahmunberia	1.11	.....	.....	.....	0.68	2.55	.....	5	2.90	2.90	1.05	?	70.01
		Ramchandrapore	0.08	.....	.....	.....	0.85	2.38	.....	4	5.28	5.28	?	?	?
	Mymensingh	Nasirnagar	.....	.....	.....	.....	.....	.....	.....	3	2.90	2.90	?	?	?
		Daudkandi	0.40	.....	.....	.....	0.67	1.74	.....	3	2.90	2.90	?	?	?
		Kasba	0.30	.....	.....	.....	0.54	1.55	0.70	4	3.15	3.15	?	?	?
	Mymensingh	Laksham	0.12	.....	.....	.....	1.22	3.30	0.55	4	5.28	5.28	?	?	?
		Kishoregunge	.....	.....	.....	.....	1.16	0.22	.....	2	1.38	2.45	1.30	72.67	75.58
		Atia (Tangail)	.....	.....	.....	0.41	2.28	.....	.....	2	2.69	2.69	0.63	64.36	59.32
	Mymensingh	Mymensingh	.....	.....	.....	.....	0.62	.....	.....	2	1.00	1.06	1.00	74.24	78.85
		Jamulpore	.....	.....	.....	.....	0.38	.....	.....	1	0.38	0.38	0.60	67.24	68.87
		Netrokona	.....	.....	.....	.....	0.72	0.00	.....	2	0.81	0.93	?	71.20	?
	Mymensingh	Subornakhally	.....	.....	.....	.....	1.00	0.55	.....	1	0.55	0.55	?	?	?
		Durgapore	.....	.....	.....	.....	1.00	.....	.....	1	1.00	1.00	?	?	?
		Deuaganj	.....	.....	.....	.....	0.98	.....	.....	1	0.98	0.98	?	?	?
NORTH BENGAL	Pubna	Pubna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.84	68.18	57.05
		Serajgunge	.....	.....	.....	.....	0.17	0.59	.....	2	0.76	0.80	0.65	60.22	55.11
		Sherpore	.....	.....	.....	.....	0.42	.....	.....	1	0.42	0.42	0.20	51.90	61.90
	Bogra	Nowkhilla	.....	.....	.....	.....	0.44	.....	.....	1	0.44	0.44	0.23	54.59	55.62
		Bogra	.....	.....	.....	.....	0.02	0.35	.....	2	0.37	0.37	0.77	56.55	62.54
		Panchbibi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.16	57.93	54.23
	Rajshahye	Beaulah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.40	49.65	54.69
		Natore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.53	63.47	56.73
		Nowkong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	60.03	?
	Maldah	Lalpara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Manda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Maldah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.20	61.28	51.40
	Dinapore	Chanchal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Gajol	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Sibganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Rangpore	Mohadebpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.01	53.59	56.83
		Churamon	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	.....	58.88	59.02
		Raigunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.23	55.48	54.68
	Rangpore	Dinapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.36	67.99	63.29
		Baloorghat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	56.16	?
		Bhawanigunge (Gyabanda)	.....	.....	.....	.....	1.17	.....	.....	1	1.17	1.17	0.55	60.71	64.53
	Julpigore	Rangpore	.....	.....	.....	.....	0.56	.....	.....	1	0.56	0.56	0.71	73.15	77.07
		Kurigram	.....	.....	.....	.....	0.92	.....	.....	1	0.92	0.92	0.77	78.64	75.86
		Bagdogra (Nilphamari)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.46	68.11	68.11
	Julpigore	Ulupore	.....	.....	.....	.....	0.65	.....	.....	1	0.65	0.65	?	?	?
		Julpigore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.92	118.16	118.30
		Alipore Doar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Cooch Behar	Fallacatta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Dinhata	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.48	94.65	99.65
		Cooch Behar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.64	121.67	121.65
	Darjeeling Hill	Mickligunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.40	100.47	108.39
		Matabhanga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.90	103.53	123.75
		Buxa	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.14	174.45	199.44
	Purneah	Siliguri	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	91.07	?
		Darjeeling	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.28	126.11	112.13
		Kalimpong	.....	.....	.....	.....	0.07	.....	.....	1	0.07	0.07	?	80.39	?
	North Bhagulpore	Kissengunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.13	57.30	68.87
		Arrarwah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.28	53.06	65.77
		Purneah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.26	53.39	61.34
	Durbhunga	Gondwara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Balarampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Mattari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Mozufferpore	Kaliaganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Madanpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.13	42.12	50.04
		Sooopool	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.11	41.30	45.33
	Chumprun	Protaganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Tajpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.06	52.88	41.34
		Durbhunga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.03	56.40	44.07
	Mozufferpore	Madhubani	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.07	43.40	44.07
		Bahera	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Koshera	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Mozufferpore	Sitamarhi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.11	54.11	41.26
		Mozufferpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.03	41.39	45.43
		Hajipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.06	35.01	42.42
	Chumprun	Paru	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Mahua	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Sinkar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Chumprun	Papri	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Motihari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.16	57.00	42.80
		Bettian	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.13	54.84	48.59
		Bagaha		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Burhura		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?

statement of Rainfall in Bengal for the week ending Friday (6 p.m.), of the 9th April 1886—concl'd.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1885.	Average rain-fall from 15th May 1885 to date.
			Saturday, 3rd April.	Sunday, 4th April.	Monday, 5th April.	Tuesday, 6th April.	Wednesday, 7th April.	Thursday, 8th April.	Friday, 9th April.	Number of rainy days.	of Rainfall week.				
NORTH BHAR	Saran	Gopalgunge ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	Nil	32'93	44'
		Sowan ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'01	47'00	44'
SOUTH BHAR	Shahabad	Chunrah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'06	48'57	38'
		Buxar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'07	44'90	38'
		Dehree ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	47'06	?
		Bhubooh ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'04	40'95	41'
		Sasseram ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'07	50'77	41'
		Arran ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'12	47'77	38'
		Mohania ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Gya	Aurungabad ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'05	58'52	41'
		Gya ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'04	53'19	41'
		Nowadah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'05	44'35	38'
		Jehanabad ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'11	47'09	38'
		Arwal ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Daudnagar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Sherghati ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Rajauli ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Pakri Barawan ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Patna	Patna ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'05	44'89	41'
		Dinapore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'05	43'95	41'
		Behar ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'08	49'88	41'
		Bara ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'03	56'75	41'
	Monehr	Begooera ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'04	47'70	38'
		Monehr ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'06	40'18	41'
		Jamu ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'07	48'59	41'
		Gogri ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	South Bhagul-pore.	Sheikpura ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Isnagulpore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'16	55'28	41'
		Isnag ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'07	47'01	41'
		Koigong ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Sonthal Per-gunnah.	Rajmonai ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'03	65'06	41'
		Godan ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'07	48'82	41'
		Pakour ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'12	55'36	41'
		Nya Doonka ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'06	61'08	41'
		Deognur ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'06	73'74	41'
		Jamtara ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'07	66'39	41'
		Sinra ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Nanhat ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
CHUTIA NAG-PUR.	Hazaribagh	Pachamba ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'05	76'95	41'
		(Giridi) ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'09	60'29	41'
		Hazaribagh ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'02	60'74	41'
		Semlaguran ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'03	40'91	41'
		Mahadi Hills ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Jhoomrah Hills ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Barhi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Chatra ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Karagdeha ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Kunghur ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Lohardugga	Lohardugga ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	59'27	41'
		Kanchi ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'19	54'90	41'
		Palamow ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'08	55'46	41'
		Silli ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Balumat ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Hosseinabad ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Garwah ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Singbhoom	Chyetassa ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'19	54'90	41'
		Chakradhar-pore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Ghatilla ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Baharagura ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Manbhoom	Purulia ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'14	57'27	41'
		Gopinapore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'13	40'07	41'
		Raghunath-pore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Barrabhoom ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Jhalda ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
		Jhas ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 12th April 1886.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 9TH OF
APRIL 1886.**

THE weather conditions over the province during the past week do not call for much comment. For the whole of this period in all districts except East, South-West and North Bengal ordinary hot weather conditions have obtained, skies have been clear or only lightly clouded, temperature has been high, humidity at the interior stations has been low, and rainfall has been entirely absent. In the other three districts, weather conditions have been disturbed, but while the disturbance has been only slight in South-West and North Bengal, the disturbed conditions have been more pronounced and prolonged in East Bengal. A few local storms accompanied by rain have been reported from South-West and North Bengal, while storms have been comparatively frequent in almost all districts of East Bengal, and this has been particularly the case during the last two or three days of the week.

The changes of pressure have, however, been rather considerable during the week; on the 3rd it was rising slowly at almost all stations, but this was followed on the 4th instant by a general fall. On the following day the changes were a little variable, and on the 6th pressure was rising. A decidedly rapid fall commenced on the 7th, which continued on the 8th, and this apparently accompanied the existence of the disturbed conditions in East Bengal, but on the 9th pressure rose and the disturbances to a great extent ceased. For the whole week the pressure has not varied much from the normal except in North Behar, where there has been a considerable excess. In this district pressure has been 0.065" above the normal, while the mean pressure for the whole province has only been slightly in excess. In Chutia Nagpur and in some parts of Orissa and South-West Bengal pressure has indeed been below the normal.

The temperature during the past week has been remarkably low for the time of year, and for the first two or three days there was a decided fall, though there was a subsequent increase. The comparatively low temperature for the week has been particularly well marked in South Behar, where the temperature has been no less than 8.6° below the normal for the period. In North Behar the defect has been 6°, in Chutia Nagpur 5.4°, and in South-West Bengal 4.3°. In other districts the defect has been smaller, and is less than 2°. For the whole province the defect from the normal* is equal to about 4.5°.

Rainfall, as above stated, has been fairly abundant in East Bengal, and in this division almost all districts have received good rainfall. This division averages 2.15 inches for the week against a normal fall of 0.64 inch. The rainfall in North Bengal has been very much smaller, and only amounts to an average of 0.21 inch, while the normal fall for the period is 0.37 inch. The rainfall in North Bengal has, however, been very local, and it has been practically confined to the Rungpore, Pubna and Bogra districts. In South-West Bengal the rainfall has been even smaller, and only averages 0.12 inch for the week against the normal 0.35 inch. In South-West Bengal also the rainfall has been very local in character, and it has been practically confined to the 24 Pergunnahs and Khoolna districts. All other divisions, namely Orissa, Chutia Nagpur and the whole of Behar have been rainless during the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 9th of April 1886:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1885.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	100.4	65.8	90.4	75.6	83.0	-1.8	Nil	0.34	-0.34	0.0	0.6	-0.6	0.04	0.37	48.47	57.26
South-West Bengal ...	99.5	67.0	92.9	70.3	81.6	-4.3	0.12	0.35	-0.23	0.2	0.8	-0.6	0.12	0.40	63.30	54.03
East Bengal	92.3	60.1	86.4	68.4	77.4	-4.8	2.15	0.64	+1.51	2.0	1.2	-0.8	2.20	0.77	84.11	80.18
North Bengal	96.6	61.9	89.0	61.7	75.4	-	0.21	0.37	-0.16	0.4	0.8	-0.4	0.21	0.34	71.62	73.32
North Behar	96.5	61.9*	89.7*	62.3*	76.9*	-6.0	Nil	0.08	-0.08	0.0	0.3	-0.3	Nil	0.11	48.39	48.18
South Behar	99.4	55.0	91.8	63.9	77.9	-8.6	Nil	0.06	-0.06	0.0	0.3	-0.3	Nil	0.08	50.60	43.20
Chutia Nagpur	96.7†	59.6†	89.8†	63.3†	76.6†	-5.4	Nil	0.07	-0.07	0.0	0.4	-0.4	Nil	0.09	59.61	49.85

* Purneah not included.
† Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 13th April 1886.

ALEXANDER PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

**Results of the Thermometrical Observations taken at the Meteorological Office,
Chowringhee, from 4th to 10th April 1886.**

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1886.		°	°	°	°	°	Inches.	°	%	Inches.
April	... 4th ...	80.2	90.5	19.7	71.8	62.7	.471	57.3	68	Nil.
"	... 5th ...	79.1	92.0	25.6	66.4	65.2	.436	55.1	43	"
"	... 6th ...	79.0	93.8	27.9	65.9	68.4	.554	61.9	56	"
"	... 7th ...	80.5	91.8	17.0	74.8	74.9	.701	72.2	76	"
"	... 8th ...	84.6	94.8	17.8	77.0	77.8	.863	74.7	73	"
"	... 9th ...	82.5	93.2	19.0	74.2	76.9	.851	74.3	77	"
"	... 10th ...	85.1	96.6	19.8	76.8	79.2	.919	76.3	76	"

The mean temperature of the seven days ...

The extreme variation of temperature ...

The maximum temperature ...

The mean relative humidity ...

The total fall of rain from 4th to 10th April 1886 ...

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 12th April 1886.

A. PEDLER,
For Meteorological Reporter to the Govt. of India.

MEMORANDUM.

THE table appended to this memorandum, exhibiting the vital statistics of the principal Municipalities in Bengal for the week ending 27th March 1886, disclose the following results :—

1. That the birth and death-rates in these Municipalities amounted to 19.5 and 24.0 per 1,000 of population respectively, as opposed to 17.1 and 21.5 per 1,000 respectively, in the preceding week ending 20th March, indicating a sensible improvement in the registration of both events.

2. That the following Municipalities returned the highest proportions of births and deaths :—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Bhagulpore	...	30.8	Puri	...	56.6
Monghyr	...	29.8	Purneah	...	52.0
			Comillah	...	50.1
			Utterpara	...	47.2
			Burdwan	...	29.0

3. That in comparison with the results of the preceding week there was an enhancement of mortality from cholera and fever, but no noticeable differences in the casualty-rates from the rest of the diseases—*vide* figures given below :—

Ratio per mille during the weeks ending—					
			27th March 1886.	20th March 1886.	
Cholera	...	...	3.2	2.2	
Small-pox	...	...	.2	.1	
Fever	...	...	10.7	9.4	
Bowel-complaints	...	...	3.6	3.1	
Injury	...	...	.4	.2	
Other causes	...	...	5.9	6.4	

4. That of the above-mentioned diseases, cholera, fever, and the maladies classed under the head of "Other causes" proved conspicuously fatal to life in the following Municipalities, the other diseases exhibiting no special local severity :—

Cholera.			Fever.			Other causes.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Comillah	...	38.5	Purneah	...	38.1	Midnapore	...	13.9
Puri	...	33.5	Beaulcah	...	21.0	Dacca	...	13.0
Hughli	...	9.4				Bhagulpore	...	12.7
Howrah	...	9.2						
Gya	...	5.5						
Suburbs of Calcutta	...	3.3						

5. That in relation to Sex, Class and Age the mortality stands as follows :—

According to Sex.			According to Class.			According to Age.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	26.5	Christians	...	13.0	Under 1 year	...	193.8
Females	...	21.1	Hindus	...	24.7	1 year and under 5 years	...	32.7
Ratio of male deaths to every 100 female deaths	...	142	Mahomedans	...	22.8	5 " " 10 " "	...	10.3
			Budhists	...	24.2	10 " " 15 " "	...	9.9
						15 " " 20 " "	...	16.2
						20 " " 30 " "	...	14.0
						30 " " 40 " "	...	19.1
						40 " " 50 " "	...	20.8
						50 " " 60 " "	...	26.2
						60 years and upwards	...	53.0

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 10th April 1886.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 27th March 1886.

[illegible]

MORTALITY ACCORDING TO—

DISTRICTS.	NAMES OF MUNICIPALITIES.	DEATHS AMONG—										DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.										Age.
		RATIO PER 1,000 OF POPULATION PER ANNUM.										DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.										
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up-wards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up-wards.						
Burdwan	Burdwan	13	294	304	...	...	...	4	1	1	1	1	1	1	1	3	1	4	2	315.2	...	22.3	20.7	16.6	19.7	7.5	47.1	42.2	70.2		
Midnapore	Midnapore	12	241	216	...	...	...	1	1	1	1	1	1	1	1	3	1	2	1	70.0	...	...	...	16.5	21.2	...	27.9	25.2	170.5		
Hughli	Hughli and Chinsurah	19	31.2	7.6	...	...	...	1	1	1	1	1	1	1	1	4	5	2	1	55.1	...	...	17.2	17.5	27.1	37.1	20.2	15.9	80.8		
Srirampore	Srirampore	9	18.5	55.4	...	...	...	2	1	1	1	1	1	1	1	1	2	2	1	219.7	...	...	...	...	...	...	...	...	...	37.4	
	Utterpara	5	48.8	...	...	...	...	2	1	1	1	1	1	1	1	1	1	2	7	646.9	...	...	...	...	45.2	...	...	...	...	...
Howrah	Howrah	32	244	33.0	...	...	...	4	8	...	...	...	...	...	...	2	5	6	2	100.8	...	...	...	21.3	22.9	13.5	26.5	18.9	97.0		
	Bali	3	11.6	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...
24 Pergunnahs	Suburbs of Calcutta	1	12.5	25.3	...	...	...	25	16	7	1	4	23	23	10	1	2	7	12	272.8	...	...	...	11.5	20.6	26.5	15.3	21.5	45.8		
Nadda	Kishnagar	1	91.7	22.8	...	...	...	3	1	1	1	1	1	1	1	1	2	1	...	314.5	...	...	...	25.3	10.8	24.3	...	24.7	...	...	...
	Ranaghat	...	...	38.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Jessore	Saatiore	1	2.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
	Jessore	1	321.0	11.5	27.2	...	...	...	2	1	1	...	...	...	...	...	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...
Rajshahye	Rampore Beaulah	3	15.7	31.8	...	...	...	2	1	1	...	...	...	...	...	1	1	1	2	256.3	...	...	...	...	...	...	...	...	...	...	...
Darjiling	Darjiling	31.5	1
	Decca	12	16.7	29.1	...	...	...	10	2	2	2	3	3	3	2	...	...	...	5	274.9	...	...	...	...	...	...	...	...	...	...	...
Chittagong	Naryangunge	1	8.2	40.6	2	1	3	1
	Chittagong	3	20.9	23.8	...	...	...	1	1	...	...	...	...	...	...	1	1	...	...	92.4	...	...	...	...	...	...	...	...	...	...	...
Tipperah	Comillah	6	43.7	50.3	...	...	...	...	3	...	2	...	...	...	...	2	...	1	3	...	...	...	...	...	...	...	...	...	...	...	...
Patna	Patna City	60	20.2	19.1	...	...	...	17	7	1	1	4	5	10	9	10	11	11	203.1	...	...	...	...	...	...	...	...	...	...	...	...
	Gya	35	30.3	22.6	...	...	...	13	6	2	2	...	...	...	...	5	4	2	6	377.7	...	...	...	...	...	...	...	...	...	...	...
Shehabad	Arrah	4	6.7	8.4	...	...	...	3	...	...	...	...	...	...	...	1	...	...	2	121.1	...	...	...	...	...	...	...	...	...	...	...
	Mouafferpore	12	20.8	8.3	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	54.5	...	...	...	...	...	...	...	...	...	...	...
Durbhanga	Durbhanga	30	32.2	14.8	...	...	...	6	10	4	...	...	...	...	...	1	6	2	3	200.4	...	...	...	...	...	...	...	...	...	...	...
	Chupra	7	8.9	4.3	...	...	...	1	1	1	...	...	...	...	...	1	...	...	...	30.0	...	...	...	...	...	...	...	...	...	...	...
Bhagalpore	Bhagalpore	23	20.1	24.1	...	...	...	7	3	2	1	2	2	2	...	...	...	1	304.9	...	...	...	...	...	...	...	...	...	...	...	...
	Monghyr	14	16.3	20.7	...	...	...	4	1	2	2	1	1	1	1	1	1	4	140.1	...	...	...	...	...	...	...	...	...	...	...	...
Purneah	Purneah	11	62.3	56.7	...	...	...	1	2	...	2	1	1	1	1	1	3	1	133.7	...	...	...	...	...	...	...	...	...	...	...	...
Puri	Puri	27	57.2	...	...	...	...	4	...	...	3	...	...	...	...	6	...	...	...	686.5	...	...	...	...	...	...	...	...	...	...	...
TOTAL	TOTAL	3	434	172	1	13.0	24.7	25.8	24.2	113	69	20	31	73	84	64	48	82	103.8	32.7	10.3	9.0	16.2	14.0	19.1	20.8	26.2	55.0				

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 10th April 1886.

PUBLIC WORKS DEPARTMENT, BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1885-86.

Areas based for Irrigation up to end of February 1886.

CIRCLE.	DISTRICT.	CANAL.	Esti- mated full dis- charge.	Average discharge in month.	Discharge utilized.	Approx- imate area of land irrigated during the year up to the end of the month.	Approx- imate area of land under irrigation up to the same date last year.	DETAILS OF AREAS LEASED.										RAINFALL, 1885-86.		RAINFALL, 1884-85.		REMARKS.
								Five years, all crops.	Five years, khurreef.	ANNUAL LEASES.					Grand total.	During month.	Up to end of month.	During month.	Up to end of month.			
										Khur- reef.	Rubbee. cane.	Sugar- cane.	Bhadol. weather.	Total.								
ONAS	Cutlack	Taldanda, 1st Reach.	1,342	...	1'53	3,813	3,257	...	3,258	...	76	14	...	...	90	...	...	...	...	...
		Taldanda, 2nd Reach.	566	...	4'36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Machgong	776	...	...	15,290	7,542	...	15,448	...	...	...	...	...	...	...	...	...	...	...
		Kendrapara	1,269	...	146	27,283	25,458	...	26,063	...	1,453	34	...	...	1,488	...	...	...	...	...
		Gohri	66'90	...	18'70	582	377	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pattamondree	1,042	...	1'800	7,277	8,081	...	7,361	...	...	...	...	...	...	...	...	...	...	...
		High Level.	675	...	130	13,963	12,904	...	13,821	...	...	...	...	...	...	...	...	...	...	...
		Range I.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Range II.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Range III.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH- WESTERN.	Midnapore	Total	...	...	...	74,837	61,290	...	69,941	...	1,581	168	...	...	213	...	...	...	...	...
		Total of the corresponding period of last year.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Midnapore	1,411	...	16	61,707	59,936	...	60,686	...	...	...	...	...	...	...	...	...	...	...
		Panchkoresh	622	...	15	5,870	4,984	...	6,749	...	...	...	...	...	...	...	...	...	...	...
		Total Ranges I and II	...	...	...	67,577	64,920	...	67,435	...	...	...	...	...	...	...	...	...	...	...
		Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Total of the corresponding period of last year.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Western Main	4,342	...	84	31,016	29,793	...	...	...	...	...	...	...	...	...	...	...	...	...
		Buxar	1,296	...	202	90,878	87,093	...	...	...	...	...	...	...	...	...	...	...	...	...
		SONS	Shahabad	Arrah	1,690	...	436	148,374	160,307
Patna and Gya	1,406			...	272	1,091	2,001	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	...			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total of the corresponding period of last year.	...			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total	...			...	...	449,047	461,125	...	169,792	...	...	...	...	...	...	...	...	...	...	...
Grand total of the correspond- ing period of last year	...			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total	...			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total	...			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total	...			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Grand Total	...			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The 13th April 1886.

D. B. HORN,
Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of the Traffic on the Circular and Eastern Canals for the week ending Saturday, the 10th of April 1886.

Number of boats.	Nature of cargo.	Weight of cargo.		Tollage.
		Mds.	Rs.	
403	Rice and paddy	99,675	1,848	
19	Jute	11,050	196	
182	Firewood	67,105	994	
926	Other articles	2,84,715	4,111	
1,530	Total	4,62,545	7,149	

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the 4 weeks ending 27th February 1886, as compared with the same period of 1885.

STAPLES.	1885.		1884.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
ANIMALS, LIVING	No. 96	693	No. 128	2,735	No. 39	173	No. 32	2,042
Horses, ponies, and mules	55	325	16	150	39	173	32	2,042
Cattle	1,853	1,526	2,403	1,729	550	194	194	194
Sheep and goats	5,157	3,085	6,710	5,332	1,553	2,247	1,553	2,247
Other kinds	132	213	142	214	10	1	10	1
BORAX	11	6	13	9	2	3	2	3
Canes and rattans	61	61	65	71	4	10	4	10
Caoutchouc (Indian-rubber)	7,05,620	2,67,626	4,83,940	1,68,156	2,21,680	99,470	2,21,680	99,470
Chinese and Japanese ware	21,90,284	3,08,074	21,10,054	2,95,743	80,230	12,350	80,230	12,350
Coal and coke, up	1,77,593	1,05,424	1,34,177	1,48,144	43,416	17,280	43,416	17,280
Coal and coke, down	8,279	12,410	9,019	12,641	740	231	740	231
COTTON, RAW	13,543	7,877	10,672	6,837	2,871	1,040	2,871	1,040
Twist and yarn (European)	1,48,842	1,71,891	1,54,659	1,86,308	5,817	14,417	5,817	14,417
Ditto (Indian)	16,771	12,181	16,033	11,775	738	406	738	406
PIECE-GOODS (European)	861	270	283	130	578	140	578	140
Ditto (Indian)	1,088	1,633	1,357	1,664	269	31	269	31
DRUGS AND MEDICINES	3,328	2,001	2,448	1,165	880	836	880	836
Asafoetida	2,269	4,184	2,388	4,170	111	179	111	179
Other sorts, not intoxicating	453	112	167	75	286	37	286	37
Intoxicating drugs (other than opium, &c., arsenic, bang, ganja, and churus, &c.)	151	49	105	74	46	25	46	25
DYEING MATERIALS	12,008	11,466	12,044	10,384	1,082	36	1,082	36
Indigo	8,089	6,971	9,759	8,100	1,670	1,129	1,670	1,129
Maader or manjit	671	1,293	792	1,367	121	74	121	74
Other kinds	11,209	4,923	2,946	1,482	8,263	2,541	8,263	2,541
Earthenware and porcelain	68,791	37,884	62,542	33,853	6,249	4,031	6,249	4,031
FIBROUS PRODUCTS	5,195	3,421	4,781	1,955	414	1,466	414	1,466
Do., manufactured (gunny bags and cloths)	3,107	969	3,751	1,388	644	419	644	419
Other fibres, raw	2,348	3,199	2,304	3,160	44	39	44	39
Ditto, manufactured	47,543	34,085	37,283	28,809	10,260	5,276	10,260	5,276
FRUITS & NUTS	2,78,249	90,776	2,98,389	79,966	69,800	10,810	69,800	10,810
All other kinds	3,11,106	81,496	1,34,816	48,946	1,76,290	32,550	1,76,290	32,550
GRAIN & PULSES	6,92,914	1,20,945	3,73,954	56,975	3,78,960	63,970	3,78,960	63,970
Wheat	25,692	4,882	21,432	4,732	4,260	150	4,260	150
Rice, husked	2,82,835	56,393	2,61,955	39,343	21,780	17,250	21,780	17,250
Do., unhusked	3,016	1,905	2,876	1,409	140	406	140	406
Other rain and spring crops	1,12,065	6,730	1,05,246	69,692	7,319	962	7,319	962
Gums and resins	14,094	7,643	13,564	6,950	530	693	530	693
HIDES & SKINS	1,499	674	958	537	541	137	541	137
Hides of cattle	1,292	1,084	29	30	1,263	1,054	1,263	1,054
Skins of sheep, goats, and small animals	25,730	17,217	28,015	24,559	2,285	7,322	2,285	7,322
LEATHER	26,723	8,057	30,993	9,577	4,270	1,620	4,270	1,620
Do. stick and other kinds	1,293	2,440	1,236	2,432	62	14	62	14
LEATHER, unmanufactured	2,547	3,984	2,557	4,124	10	140	10	140
Ditto, manufactured	13,065	13,392	14,284	13,526	1,219	134	1,219	134
Liquors	321	214	355	241	62	27	62	27
Mats	35,688	32,192	31,878	31,186	3,810	1,006	3,810	1,006
METALS AND MANUFACTURES	92,244	67,225	98,939	76,903	6,695	9,678	6,695	9,678
Brass and copper	8,723	6,753	5,320	5,160	3,403	1,573	3,403	1,573
Other metals	26,943	19,499	17,691	14,190	8,952	5,309	8,952	5,309
OPIL	59,051	50,117	82,123	83,569	23,072	24,452	23,072	24,452
Paints and colours	2,495	2,373	2,154	2,327	341	46	341	46
PROVISIONS	38,963	26,554	34,080	29,862	177	3,308	177	3,308
Ghee	4,597	3,644	4,575	3,694	8	59	8	59
Other kinds	63,407	6,907	83,747	6,791	206	20,340	206	20,340
Railway materials, Construction Account	2,55,003	1,39,636	1,07,080	49,257	1,48,923	90,379	1,48,923	90,379
Ditto ditto, Foreign	4,90,163	94,100	6,07,511	1,42,181	1,17,348	48,081	1,17,348	48,081
SALT	64,713	28,488	85,756	37,791	21,043	9,303	21,043	9,303
SALT, PETRE, & C.	14,298	3,447	17,831	4,626	3,533	1,179	3,533	1,179
Other saline substances	32,236	10,118	61,126	21,618	28,890	11,500	28,890	11,500
SEEDS	2,14,322	51,529	1,47,832	33,919	68,490	12,610	68,490	12,610
OIL-SEEDS	34,381	7,805	72,951	20,985	38,570	13,680	38,570	13,680
Mustard and rape	1,18,747	42,550	51,497	11,590	67,250	30,960	67,250	30,960
Other oil-seeds	91,390	33,225	80,320	37,605	2,070	4,370	2,070	4,370
OTHER SEEDS	25,147	8,947	13,127	6,207	12,020	2,740	12,020	2,740
Indigo seed	2,547	2,013	2,875	2,350	328	337	328	337
Tea-seed	285	126	484	288	199	162	199	162
SILK	43,928	30,311	43,430	27,772	498	2,539	498	2,539
Do., manufactured (European)	79,465	11,655	88,813	14,658	8,358	3,003	8,358	3,003
Do., ditto (Indian)	1,02,360	41,447	1,30,061	50,778	62,299	13,669	62,299	13,669
SUGAR	3,61,739	78,645	2,91,886	58,892	69,853	19,753	69,853	19,753
Sugar, refined	2,092	2,802	1,828	2,524	264	278	264	278
Do., unrefined	419	22	700	42	281	20	281	20
TEA	16,818	8,641	13,805	7,090	3,013	1,641	3,013	1,641
Tobacco	36,920	7,813	36,495	5,100	425	2,713	425	2,713
WOOD	48,007	3,185	48,516	3,510	511	819	511	819
Timber	680	665	1,121	970	441	305	441	305
Firewood	319	798	311	697	8	11	8	11
WOOL	1,055	969	1,249	1,132	194	163	194	163
Wool, raw	1,055	969	1,249	1,132	194	163	194	163
Do., manufactured (European)	1,055	969	1,249	1,132	194	163	194	163
Do., ditto (Indian)	1,055	969	1,249	1,132	194	163	194	163
Wool, manufactured (Indian)	1,055	969	1,249	1,132	194	163	194	163
Shawls	2,64,106	1,67,447	2,60,109	1,61,022	3,997	6,425	3,997	6,425
All other articles of merchandise	35,186	52,439	23,829	39,586	11,307	12,873	11,307	12,873
Government stores	1,11,347	24,369	1,08,425	25,729	2,922	1,560	2,922	1,560
Minerals								
Total	80,80,434	26,22,923	68,76,816	23,07,201	14,03,785	4,77,926	2,90,167	1,62,294

General Remarks on the fluctuation of principal staples carried over the East Indian Railway during 4 weeks ended 27th February 1886.

INCREASES.

Coal, up and down.—The increase in the upward coal was due to demands for the Oudh and Rohilkund and the Bengal and North-Western Railways, and that in the downward traffic to special contracts in Calcutta.

Cotton.—Plentiful crops and an active demand for export led to the increase in this commodity.

Wheat.—The increase in this staple was due to demands for export and also for local consumption, old stocks being disposed of.

Gram and Pulses.—Due to despatches to Howrah for shipment to Madras and to stations on the Great Indian Peninsula Railway *via* Jubbulpore.

Rice (husked and unhusked).—Plentiful harvest on the Loop line this year and larger demand in Lower Bengal led to this increase.

Other rain and spring crops.—This increase is attributable to good demand in Oudh and the North-Western Provinces.

Railway material, foreign.—Larger despatches from Howrah for the Behar-Assam State, Tirhoot State, Oudh and Rohilkund, and the Bengal and North-Western Railways account for the increase in this staple.

Sugar (refined and unrefined).—A good outturn and favorable prices increased the despatches from the Shahabad district.

Government Stores.—Movement of Ordnance and Commissariat stores after the breaking up of the Camp of Exercise at Delhi accounts for this increase.

Seeds.—This increase was principally in mustard, castor and poppy seeds, owing to brisk demands from Calcutta and Bombay.

DECREASES.

Piece-goods.—This is merely a re-action consequent on large despatches during the previous month.

Lac.—Dull market in Calcutta accounts for this decrease.

Iron.—Due to ordinary fluctuation of trade.

Opium.—The increase in last month accounts for the present falling off.

Salt.—Nearly three-fourths of this decrease was due to the failure of the supplies from the Sambhar lakes, and a small decrease at Howrah owing to river steamer competition.

Saltpetre.—Due to want of demand in the Calcutta market for this commodity.

N. ST. L. CARTER, *Traffic Manager.*

TRAFFIC MANAGER'S OFFICE, JAMALPUR, the 9th April 1886.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 3rd April 1886 on 1,515 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Traffic for the week...	237,655	3,15,592 13 0	28,85,007 10	6,81,445 9 3	18,384 0 0	10,15,422 6 3	67,034½	114,063½	181,098
of mile of railway	.....	208 5 0	.....	449 12 9	12 2 2	670 3 11	.....	.....	.....
previous 12 weeks of half-year	2,843,862	33,88,757 2 0	3,32,94,356 30	80,82,782 3 6	2,73,903 4 2	1,17,45,532 9 8	827,097½	1,363,610	2,190,707½
Total for 13 weeks	3,081,517	37,04,349 15 0	3,61,79,364 0	87,64,227 12 9	2,92,377 4 2	1,27,60,954 15 11	894,131½	1,478,273½	2,372,405½
COMPARISON.									
for corresponding week of previous year	260,427½	3,17,156 13 10	26,43,029 30	6,84,359 12 3	29,765 10 5	10,31,282 4 6	68,233	119,149	187,382
of mile of railway corresponding	.....	210 1 8	.....	453 5 11	19 11 6	683 3 1	.....	.....	.....
of previous year	3,272,069½	40,72,216 6 4	3,30,62,047 0	82,47,111 11 8	2,49,720 6 3	1,25,69,048 8 3	923,060	1,421,570	2,344,630
of corresponding date of previous year	.....	.....	.....	.....	.....	.....	.....	.....	.....

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 31ST MARCH 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST MARCH 1886.			Total increase in 1886.	Total decrease in 1886.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
1,03,128	683	1,515	10,15,422	670	1,509½	4,29,70,774*	28,467	1,515	4,67,27,685	30,843	37,56,911	.....	.....

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 3rd April 1886 on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Traffic for the week...	15,486	8,701 1 0	69,644 20	5,932 3 0	57 0 0	14,690 4 0	1,710	912	2,622
of mile of railway	271	152 1 11	1,217 30	103 11 4	0 15 11	236 13 2	.....	.....	.....
previous 12 weeks of half-year	143,644*	77,939 2 0*	5,64,162 29½	38,308 4 0*	709 10 6½	1,17,157 0 6	22,740	8,907	31,647
Total for 13 weeks	159,130	86,640 3 0	6,33,807 0	44,440 7 0	766 10 6	1,31,847 4 6	24,450	9,819	34,269
COMPARISON.									
for corresponding week of previous year	15,759½	8,864 5 1	72,740 10	4,293 8 0	43 3 9	13,201 0 10	1,603	791	2,394
of mile of railway corresponding	.....	154 15 6	1,272 30	75 1 0	0 12 1	230 12 7	.....	.....	.....
of previous year	276	154 15 6	1,272 30	75 1 0	0 12 1	230 12 7	.....	.....	.....
of corresponding date of previous year	184,922½	1,05,227 11 8	7,58,111 10	48,220 14 0	928 7 6	1,54,377 1 2	22,820	12,379	35,199

* Added number of passengers 814 and Rs. 401-12-0 on account of differences between the approximate and audited returns to week ended 27th February 1886.
 Deducted " 710-20 and deducted " 2-15-0 ditto ditto ditto ditto.

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 31ST MARCH 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST MARCH 1886.			Total increase in 1886.	Total decrease in 1886.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
13,201	231	57½	14,690	257	57½	5,40,837	9,455	57½	4,94,021*	8,637	.....	.....	46,816

* Deducted Rs. 1,787 on account of differences between the approximate and audited returns to week ended 27th February 1886.

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 3rd April 1886 on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,724	405 7 0	17,844 0	486 7 0	25 0 0	976 14 0	269½	340	609½
Or per mile of railway ...	.....	38 12 7	.....	40 8 7	2 1 4	81 6 6	.....	.....	.....
For previous 12 weeks of half-year ...	30,147*	5,116 3 0*	5,73,117 0†	6,123 14 0†	296 4 0‡	11,536 5 0	2,240	3,301	5,541
Total for 13 weeks ...	32,871	5,581 10 0	5,90,961 0	6,610 5 0	321 4 0	12,513 3 0	2,519½	3,641	6,160½
COMPARISON.									
Total for corresponding week of previous year ...	4,215½	701 14 6	17,530 0	437 15 0	48 6 6	1,208 4 0	148	181	329
Per mile of railway corresponding week of previous year ...	.....	58 7 10	.....	38 2 7	4 0 7	100 11 0	.....	.....	.....
Total to corresponding date of previous year ...	32,650½	5,615 14 1	2,68,762 10	6,647 11 0	639 10 3	12,903 3 4	2,342	2,999	5,341

* Added number of passengers 713 and Rs. 69-0-0 on account of differences between the approximate and audited returns to week ended 27th February 1886.
† Ditto mds. 2,48,117-30 and " 473-12-0 ditto ditto ditto ditto.
‡ Ditto " 4-14-0 ditto ditto ditto ditto.

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 31ST MARCH 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST MARCH 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
12	Rs. 1,208	Rs. 101	12	Rs. 977	Rs. 81	12	Rs. 47,324	Rs. 3,944	12	Rs. 46,413*	Rs. 3,868	.....	Rs. 911

* Added Rs. 548 on account of differences between the approximate and audited returns to week ended 27th February 1886.

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 3rd April 1886 on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	5,670	4,910 3 0	73,298 30	2,953 14 6	92 6 0	7,956 1 6	555½	1,010½	1,566
Or per mile of railway ...	.....	65 10 4	.....	39 7 10	1 3 8	106 5 10	.....	.....	.....
For previous 12 weeks of half-year ...	70,271*	60,714 6 0*	10,35,799 20†	43,785 10 0†	1,326 9 9‡	1,05,526 9 9	17,407½	18,500½	35,908
Total for 13 weeks ...	75,941	65,624 9 0	11,29,098 10	46,739 8 6	1,418 9 9	1,13,782 11 3	17,963	14,511½	32,474½
COMPARISON.									
Total for corresponding week of previous year ...	5,272½	4,561 6 1	1,14,390 30	4,416 13 0	128 2 3	9,106 5 4	1,402	1,110	2,512
Per mile of railway corresponding week of previous year ...	.....	61 3 8	.....	59 4 7	1 11 6	123 3 9	.....	.....	.....
Total to corresponding date of previous year ...	84,161	71,206 7 5	12,60,010 10	59,760 2 3	2,082 7 6	1,33,049 1 2	13,617	17,382	30,999

* Added number of passengers 97 and deducted Rs. 37-0-0 on account of differences between the approximate and audited returns to week ended 27th February 1886.
† Ditto maunds 43,030 and " 273-8-0 on account of ditto ditto ditto ditto.
‡ Deducted " 120-5-9 on account of ditto ditto ditto ditto.

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 31ST MARCH 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST MARCH 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
74½	Rs. 9,106	Rs. 122	74½	Rs. 7,956	Rs. 106	74½	Rs. 3,93,538	Rs. 5,282	74½	Rs. 3,75,629*	Rs. 5,022	.....	Rs. 17,909

* Deducted Rs. 217 on account of differences between the approximate and audited figures up to week ended 27th February 1886.

TARKESWAR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 3rd April 1886 on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Traffic for the week ...	21,939	6,119 2 0	11,559 30	437 13 0	5 0 0	6,561 15 0	910	249	1,159
per mile of railway ...	.....	275 0 3	.....	19 10 10	0 3 7	294 14 8	.....	.....	.....
previous 12 weeks of half-year ...	243,781*	65,030 12 0*	1,63,272 30†	5,584 4 0†	64 5 5	70,609 5 5	11,877	2,512	14,389
Total for 13 weeks ...	265,720	71,169 14 0	1,74,832 20	6,022 1 0	69 5 5	77,261 4 5	12,787	2,761	15,548
COMPARISON.									
for corresponding week of previous year ...	28,256	7,947 9 7	9,491 30	371 4 0	3 13 3	8,322 10 10	1,124	64	1,188
per mile of railway corresponding week of previous year ...	.....	361 4 1	.....	16 14 0	0 2 9	378 4 10	.....	.....	.....
to corresponding date of previous year ...	292,004‡	78,431 7 10	3,05,730 0	6,037 3 0	98 14 3	84,567 9 1	14,249	6,151	20,400

* Deducted number of passengers 344 and Rs. 488-0-0 on account of differences between the approximate and audited returns to week ended 27th February 1886.

† Added mds. 22,965-20 and " 582-1-0 ditto ditto ditto.

‡ Dato " 4-5-11 ditto ditto ditto.

Approximate Statement of gross receipts of the Tarkeswar Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 1885.*			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST MARCH 1886.			Total increase in 1886.	Total decrease in 1886.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Rs.	Rs.
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
8,323	378	22½	6,562	295	.....	.....	.....	22½	2,56,371†	11,523	.....	.....	.....

* Line opened from January 1885.

† Added Rs. 98 on account of differences between the approximate and audited returns to week ended 27th February 1886.

EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 27th March 1886 on 234* miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated). Including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Traffic for the week ...	86,218	37,340 0 0	5,85,364 0a	45,163 0 0	3,948 0 0	86,450 0 0	10,747	11,633	22,380
per mile of railway ...	368	160 0 0	2,502 0	193 0 0	16 0 0	3 3 0 0	.....	.....	.....
previous 12 weeks of half-year ...	1,055,893	4,32,912 0 0	46,19,290 0	5,56,378 0 0	42,434 0 0	10,31,724 0 0	121,097	111,242	232,339
Total for 12 weeks ...	1,142,111	4,70,252 0 0	52,04,654 0	6,01,540 0 0	46,382 0 0	11,18,174 0 0	131,844	122,875	254,719
COMPARISON.									
for corresponding week of previous year (audited) ...	122,779†	91,906 0 0†	4,89,625 0a	38,373 0 0	18,502 0 0	1,48,871 0 0	11,972	10,213	22,185
per mile of railway corresponding period of previous year ...	527	395 0 0	2,101 0	165 0 0	.....	560 0 0	.....	.....	.....
to corresponding date of previous year ...	1,244,667	5,74,012 0 0	38,34,433 0	4,99,377 0 0	3,87,298 0 0b	14,80,687 0 0	146,305	110,158	256,523

* Increase is due to the traffic of Baliaghata station being worked from Sealdah station.

† Increase is due to Chooramoni Joge bathing festival.

(a) Includes 2,50,000 and 2,00,000 maunds respectively due to ballast trains.

(b) Includes Rs. 2,93,898 on account of Government share of the assets of the special reserve fund of the Old Eastern Bengal Railway Company.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 31ST MARCH 1885.			RECEIPTS FOR WEEK ENDING 27TH MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 28TH MARCH 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 27TH MARCH 1886.			Total increase in 1885-86.	Total decrease in 1885-86.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Rs.	Rs.
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
1,48,871	639	234	86,450	369	233	57,20,993	24,533	234	44,81,214*	19,150	.....	.....	12,39,779

* Corrected with Revenue Accounts for the half-year ending 31st December 1886.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 27th March 1886 on 126 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	24,163	8,423 0 0	41,491 0	2,405 0 0	17 0 0	10,845 0 0	3,319	1,943	5,262
Or per mile of railway ...	192	67 0 0	329 0	19 0 0	.....	86 0 0	.....	.....	.....
For previous 11 weeks of half-year ...	264,312	98,827 0 0	4,02,947 0	21,497 0 0	315 0 0	1,20,639 0 0	35,719	20,320	56,039
Total for 12 weeks ...	288,475	1,07,250 0 0	4,44,438 0	23,902 0 0	332 0 0	1,31,484 0 0	39,038	22,263	61,301
COMPARISON.									
Total for corresponding week of previous year (audited) ...	25,719*	12,377 0 0*	33,603 0	1,986 0 0	11 0 0	14,374 0 0	3,916	1,168	5,084
Per mile of railway corresponding period of previous year ...	204	98 0 0	259 0	16 0 0	.....	114 0 0	.....	.....	.....
Total to corresponding date of previous year ...	280,065	1,05,211 0 0	3,13,610 0	21,895 0 0	408 0 0	1,27,514 0 0	50,831	12,302	63,133

* Increase is due to Choaramoni Joge bathing festival.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 28TH MARCH 1885.			RECEIPTS FOR WEEK ENDING 27TH MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 28TH MARCH 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 27TH MARCH 1886.			Total increase in 1885-86.	Total decrease in 1885-86.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
126	14,374	114	126	10,845	86	125	5,12,997	4,104	126	5,25,482*	4,250	22,435	.....

* Audited up to 31st December 1885.

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 27th March 1886 ...	Rs. A. P.
Corresponding week last year ...	7,605 0 0
Decrease ...	9,261 0 0
Receipts from 1st January to 27th March 1886 ...	1,656 0 0
From 1st January to 28th March 1885 ...	80,839 0 0
Increase ...	77,111 0 0
Miles open week ending 27th March 1886 ...	3,728 0 0
Corresponding week last year ...	Miles.
	50 1/2
	50 1/2
Receipts per mile open week ending 27th March 1886 ...	Rs. A. P.
Corresponding week last year ...	149 13 9
Decrease ...	182 7 10
	32 10 1

SECRETARY'S OFFICE, Darjeeling, the 6th April 1886.

W. STEVENSON, Secretary.

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 3rd April 1886 ...	Rs. A. P.
Corresponding week last year ...	8,622 0 0
Decrease ...	8,965 0 0
Receipts from 1st January to 3rd April 1886 ...	343 0 0
From 1st January to 4th April 1885 ...	89,461 0 0
Increase ...	88,076 0 0
Miles open week ending 3rd April 1886 ...	3,385 0 0
Corresponding week last year ...	Miles.
	50 1/2
	50 1/2
Receipts per mile open week ending 3rd April 1886 ...	Rs. A. P.
Corresponding week last year ...	169 14 3
Decrease ...	176 10 5
	6 12 2

SECRETARY'S OFFICE, Darjeeling, the 10th April 1886.

W. STEVENSON, Secretary.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 21, 1886.

OFFICIAL PAPERS.

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Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

Saturday, the 10th April 1886.

Present:

HIS HONOR the Lieutenant-Governor of Bengal, K.C.S.I., *President*.
 The HON. G. C. PAUL, C.I.E., *Advocate-General*.
 The HON. H. J. REYNOLDS, C.S.I.
 COL. THE HON. S. T. TREVOR, R.E.
 The HON. C. B. GARRETT.
 The HON. H. L. HARRISON.
 The HON. MOULVIE ABDUL JUBBAR.
 The HON. RAI JAI PROKASH LALL BAHADUR.
 The HON. G. IRVING.
 The HON. D. CRUICKSHANK.
 The HON. ANUNDO MOHUN BOSE.

REGISTRATION OF PERMANENT TENURES.

The HON. MR. REYNOLDS presented the preliminary report of the Select Committee on the Bill to provide for the registration of permanent tenures, and moved that the report together with the Bill as preliminarily amended be

published in the *Calcutta Gazette*. He said that he did not propose upon that occasion to ask the Council to take the report or the Bill into consideration. But it appeared to him that some misapprehension existed out of doors with regard to the Bill, and he therefore wished to take that opportunity of saying a few words regarding the objects and scope of the measure. The main objects of the Bill were three in number, and two out of the three were intended expressly for the benefit and advantage of the zemindars, the third being for the benefit alike of landlords and tenants, and also of the Government. The first object of the Bill was to get rid, as far as permanent tenures were concerned, of what was known as the twenty years' presumption. During the debates on the Bengal Tenancy Act there was hardly any matter which was more fully considered, both in the discussions in Select Committee and in the passing of the Bill through the Council, than this question of the twenty years' presumption. The member in charge of that Bill was very strongly urged to strike out of the Bill all reference to the presumption, and Mr. Reynolds must admit that arguments of some force were brought forward in favour of that course. But it appeared to the Government of India that simply to strike all reference to the presumption out of the law would be only substituting one form of hardship and injustice for another. The result was that the provision regarding the presumption was retained in the Act, but two sections were introduced which were intended to have the effect of gradually extinguishing and doing away with the presumption. One of these was a provision which declared that, when a survey and record of rights had been made in a local area, the presumption should not thereafter apply to any tenure within that area. The other section was one which provided that if by any law which might be passed hereafter it was declared that any class of tenancies must be registered by a certain date, the rule of presumption would not after that date apply to such tenancies which had not been so registered. The present Bill was intended in this respect to supplement that provision of the Tenancy Act, and the effect of it would be that if the registration of permanent tenures was made compulsory by a certain date in any local area, after that date the presumption of twenty years could not be pleaded in respect of any such tenure which had not been registered. This was one of the objects of the Bill for the benefit of the zemindars, and one which they had expressed themselves very anxious to see accomplished. The second main object of the Bill was to facilitate the recovery of rents by the zemindars from this description of tenants. During the discussion on the Tenancy Bill very serious complaint was made that the Government had not fully redeemed the promises which were alleged to have been given to the zemindars, that additional facilities should be afforded to them for the recovery of their dues. But it must be admitted that, if there was one class of tenures the rent of which was recoverable with greater regularity than others, it was those tenures which were liable to summary sale under the Patni sale law. Now, the provisions of the Bill now before the Council would very largely extend the operation of that law, because the Bill declared that any tenure which should be registered under this Act should hereafter be subject to summary sale under that Regulation. That, again, was a great advantage to the zemindars, and with regard to this class of tenures the Bill would very much facilitate the recovery of rents. The third object of the Bill was based upon general considerations of the advantages which would be derived from collecting and recording a large mass of information regarding this important class of tenancies. That would be to the benefit of landlords and tenants and of the Government itself. Those were the main objects of the Bill. Whether the Bill, in the form in which it had been recast by the Select Committee, was the measure best adapted to carry out all those objects, was a question which he did not propose to touch upon at present. It seemed to him very desirable that the Bill should be republished, and a deliberate expression of public opinion on it be invited. If the zemindars, after full opportunity had been given them for such an expression of opinion, considered that it was not desirable to legislate upon those lines, he imagined the Government, considering that the Bill had been mainly introduced for the purpose of benefiting the zemindars, would not desire to press the measure upon them against their will, but in that case it would not be open to the zemindars to say that the

Government had not made an honest and sincere attempt to give them additional facilities for the recovery of their rents.

The motion was put and agreed to.

CALCUTTA MUNICIPALITY.

The HON. MR. HARRISON introduced the Bill to consolidate and amend the law relating to the municipal affairs of the Town and Suburbs of Calcutta, and moved that it be read in Council. He said that the introduction of this Bill had been more or less necessitated by the representations which had been made to the Local Government by several influential committees and bodies, and still more, if he might say so, by the force of the reasons and arguments which they had brought forward for the amalgamation of the town and suburbs. The reasons for amalgamation might be simply stated in this way: that hitherto the centre of a large city had been formed into one municipality, and the circumjacent tracts into another, and it seemed hardly necessary to do more than draw attention to so singular an arrangement to indicate the desirability of some change. All that seemed to be wanting to make the anomaly complete was for the river Hughli not to be the western boundary of the town of Calcutta, in which case a complete inner circle would form one municipality and the outer circle another. Even now Garden Reach on the one hand and Cossipur and Chitpur on the other were under one governing body; whilst the whole intervening space from the Circular Canal down to Hastings was under another Municipal Corporation. Moreover, very little thought was necessary to show that the suburbs of any town needed the assistance of the town for the funds requisite for their successful administration, and not only so, but the town itself needed the advantages of the suburbs for its successful administration. He was very much struck when he was in Bombay last year with the numerous facilities which Bombay enjoyed in the possession of large tracts of almost unoccupied land where they could locate places for washing clothes; where they could have cattle sheds and sheds to keep their carts; where they could, above all, start gardens and parks, and pleasure grounds; whereas here, in Calcutta, they knew very well that every single project was in danger of being rendered impossible by the costliness of the land which had to be acquired for the purpose. So much was this the case that they saw that wherever possible the two jurisdictions had already been amalgamated. As, for instance, in the matter of police, there was one jurisdiction in the town and suburbs; in the matter of hackney carriages, there was one jurisdiction for their registration; so also for carts; and as regarded the fire brigade there was one jurisdiction. He, therefore, submitted that the onus was clearly more on those who contended that the town should not be united to the suburbs, than on those who only advocated what seemed to be so natural and normal a proceeding. But, apart from that, it had been urged upon the Government that the mortuary statistics of the suburbs imposed upon the local Government the imperative necessity of considering this question. The mortality in the suburbs of Calcutta in the year 1878, which seemed the first year in which accurate statistics were available, was so high as compared with the mortality of Calcutta—and the mortality of Calcutta itself was high—as the proportion of 182 to 100, and although for some reason or other it diminished year by year down to 1882, when it only stood at 137 to 100, there had been from that date an increase every year, and in 1885 it was 152 to 100. Nor did these figures give a real or fair idea of the extent to which this mortality had been preventible. If disease was divided into what was called the zymotic or preventible class of disease, and the non-zymotic class, the case was much stronger. In the year 1884, the last year for which figures were available, the mortality from non-zymotic diseases in the suburbs was 12·8 and in the town 13·1, a difference of only ·3, but in the case of preventible diseases the mortality in the suburbs was 32·3 to 17·4 in the town. That showed an enormous amount of preventible disease in the suburbs of Calcutta, which, even when judged by the still very heavy amount of preventible disease in the town, showed the urgency of some steps being taken to abate it. But how those steps were to be taken as long as the present anomalous system prevailed was a problem. Obviously the greater wealth of the

town was in its heart and centre. The resources of the suburbs were comparatively so small that it was impossible for them to undertake any extensive measures for drainage or water-supply, and even now, when steps were being taken for supplying water, it was found that the financial difficulties were extreme, and he was not sure that he ought not to say insurmountable. Again, as long as the present system remained, many sanitary authorities in the suburbs were disposed to say that part of the injury which they suffered was actually due to the system of drainage and conservancy in the town. It was said that, in consequence of the use which was made of the salt water lakes, and of the square mile, for the purposes of the town, the health of the suburbs had materially suffered. Whether this was true or not, it appeared to him that it furnished the strongest possible argument for uniting both into one administration. As long as the town did not feel the responsibility for the suburbs, it was impossible to prevent friction of this kind; it was impossible to prevent it being said that the one area was being sacrificed to the other. Last of all, this measure seemed to be still more necessitated by the sanction which had been recently given to the construction of the Kidderpore docks. Those docks would inevitably form an integral part of the town. Warehouses would be set up there, and a good deal of the commerce of the town would be transacted in the immediate neighbourhood of the docks. He need scarcely say that, where the business of the town was one and undivided, it was extremely undesirable that the administration of the town should be divided, and if the docks were to be constructed it seemed to him still more necessary that the dock area should be brought within the limits of the town administration.

On the other hand, it was well known that this measure met with great objections both amongst the population of the town and of the suburbs. He believed the real force of those objections could be stated in a very few words, and that they were concentrated and given expression to as follows: We the people of the town apprehend that the taxation, which has been heretofore raised for our own advantage, will hereafter be partially raised for the improvement of the suburbs. What the suburbs apprehended was that their rates and taxes would be raised to the level of those in the town. As regarded the first of these objections, he might possibly not be impartial, but at the same time he was bound to say that it seemed to him to be an objection which was entitled to the fullest consideration. Theoretically it might be said that a town was responsible for its suburbs, and ought to bear this extra burden, but such a theory was very much modified by the concrete facts of the past 30 or 40 or 50 years. As a matter of fact, the town had grown up with a responsibility of its own. Under these responsibilities, and with its financial liabilities, it had introduced a large system of water-works and drainage. It had acquiesced in the payment of a large portion of the police charges, and in general its rate-payers had been accustomed to adjust their financial liabilities in the light of the requirements of the town itself. It was not, he submitted, now possible with practical justice to go back from this and say that the people ought to recognize that their responsibilities were now much larger than they had hitherto been *qua* rates and taxes. There would certainly be a very natural sense of injustice if they felt that new burdens were being imposed upon them and that they were no longer to derive the same benefits from their rates and taxes as they had enjoyed for the last 50 years. Upon these grounds the proposed measure provided for the relief of the town from the police charges which it had hitherto borne. The town at present contributed about Rs. 2,80,000 towards the cost of the police. The Local Government now, he believed, saw its way, from the beginning of the next financial year, to relieve the town from this charge, and therefore this Bill provided for such relief. The effect of that would be that the rate-payers and the tax-payers of the town would be better off than they were at present to the extent of this Rs. 2,80,000. The intention naturally was that this sum should approximately represent the sum which they ought to contribute for the improvement of the suburbs. Of course he did not mean to say that any steps would be taken in the Bill to fix this as the exact sum which must be spent in this way. But the town would be able to levy precisely the same rates as heretofore, and inasmuch as the town would be better

off by this sum than it was at present, it seemed just and equitable that the Government should expect the suburbs to be assisted to this extent for the greater expenditure necessary there. As regarded the suburbs, the objection was one which could not be, unfortunately, equally met, but on the other hand it could not be said that it was equally legitimate. Everything pointed, in the arguments which he had used, to the conclusion that the suburbs were in urgent need of money for sanitary wants, and that greater and more liberal expenditure was needed for those wants, and it was therefore not unreasonable that the suburbs should pay the same rate of taxation as the town. At the same time it was obvious that residents in the suburbs were the chief gainers by the measure. If the town was in a position to contribute this Rs. 2,80,000 for the benefit of the suburb, the suburbs would besides obtain the full benefit of its own increase of taxation as well. It was evident, therefore, that the benefit of this measure to the residents of the suburbs was more than to the town, because they would have to pay only a portion of the additional amount which would be available for expenditure upon their sanitary requirements.

For the rest, the only remaining point essentially connected with amalgamation which required consideration was the new arrangements which should be made to divide the town into wards. The Draft Bill followed in this respect the letter which was written by the Government of Bengal to the Government of India. It kept the present town wards unchanged, and it divided the new area of the suburbs into seven more wards, making 25 in all. Many of the town wards now elected three members, but in the Bill the representatives of each ward were limited to two. These made fifty elected representatives for the new area. The same proportion would be retained between the elected and nominated Commissioners, who would be raised therefore from 72 to 75. This hardly seemed to him the division which would work best, but in this respect the Government measure which he now had the honour to lay before them would, undoubtedly, receive the fullest consideration, and he had no doubt that any division into wards which the weight of public opinion might indicate as preferable would be adopted. For himself, he was bound to say that for various reasons he thought the creation of larger wards would work better than of smaller wards.

This opportunity would of course be taken to amend the Act of 1876 in many other respects. It was obvious that a ten years' experience must have drawn attention to many detailed defects in that legislation, and this opportunity would be taken to consolidate into one Act all existing Acts and also to amend details. So far as this was concerned, the Bill in its present stage only remedied some of the more obvious defects, and left others for future consideration. The Select Committee would have full information before it, and therefore the present Bill did not endeavour to amend nearly all those details. On the other hand, where there appeared to be *prima facie* considerable force in any proposals which had been made, those proposals had been introduced into the Bill, but even as regarded these any objection which would be taken would receive the fullest consideration. In all these matters the Bill in its present shape was tentative. The only alterations which he need refer to were the suggestions which had been specially addressed to the Government in a recent petition of the rate-payers and inhabitants of Calcutta, in which ten or twelve specific important amendments of the Act were pressed upon the Government. To most of these the present Bill had given effect partially or entirely; though one or two which required fuller consideration had been postponed. Especially those had been given effect to which placed greater responsibility upon owners in the case of busti property: It appeared to him that both in the Bill of 1876 and in the discussions which then took place, the case of the owners had been pressed with more ability than the case of the tenants, especially tenants-at-will who lived in bustis. More weight was given at the time to what were considered the rights of property than what were called its duties. The present Bill aimed, to a certain extent, at remedying this; more especially in the matter of busti property. The Bill held owners liable for the use of that property by them. In the case of these tenancies no leases of any kind were given, the land was not parcelled out into separate parcels, but huts were built promiscuously on them in a way which presented one of the chief difficulties in carrying out municipal administration.

The sections regarding voting had been entirely recast. This had been done not with the intention of making any substantial alterations in the present system, or of placing the franchise to any large extent in the hands of any class different from those who exercised it at present, but the existing sections of the Act were meagre in the extreme, and the right of voting had been a matter of practice, custom, and the discretion of the Chairman. The present qualification of voters was a payment of Rs. 25. In respect of that the Bill proposed to substitute an assessment of Rs. 300, which was substantially the same thing. For various reasons, it was thought better to give the vote to property as entered in the assessment register rather than to the rates as paid. The owner or occupier would thus no longer lose or gain a vote according to the rate of taxation. Under the proposed system, as the assessment or valuation remained the same, it qualified for a vote, whether the rates were raised or lowered. New sections had been introduced to regulate cases in which the members of a joint family or partners or the members of a firm would be allowed to vote. At present the law was silent on this point, and it was a mere question of interpretation of what was the probable intention of the Legislature. The present Bill fixed six as the maximum number of votes, partly because this was a reasonable number, and partly because it was the number of plural votes allowed in the English statutes for the local franchise, so that if there were six joint members, each would have a vote if they were possessed of property assessed at Rs. 1,800 or upwards.

In one respect he feared the present Bill must prove a disappointment; that was to say to both the extreme parties in the city whose expectations from it were so widely different that it was impossible to satisfy them. In many quarters it had been supposed that the recasting of the Municipal Act would be taken as an opportunity to undo the legislation of 1876. It was supposed that that legislation was so far a failure in that it put all power in the hands of what he might call the stationary party, and that it was the duty of the Government to remedy this. On the other hand, it was considered by others that that measure was so entirely and brilliantly successful that after the experience of ten years, steps should be taken to go further in the same direction and to extend what was then granted. The present Bill was an endeavour to treat both the extreme parties fairly and impartially. On the one hand, the proportion of nominated to elected Commissioners and the general constitution of the Corporation were left unchanged. On the other hand, it had been felt that all reasonable representations which manifestly had force in them ought to receive careful consideration, and therefore, so far as regards the constitution of the Town Council, it was considered that something ought to be done to place that body on a footing determined by law, and also to regulate its number and constitution. The present Town Council had grown up under the force of circumstances. It was constituted by the Commissioners themselves, and he thought all who were not interested in keeping up the number admitted that, when it was largely attended, it was too large a body for the ordinary despatch of business. Also the Town Council necessarily exercised very great power and influence in the affairs of the Corporation; and, therefore, as in the Act of Bombay, it seemed that the relative influence of the nominated and the elected members of the Corporation ought to be preserved in the Town Council. This always had been done in one sense. The present Town Council consisted of twenty elected Commissioners and ten nominated Commissioners, but the value of this allotment was much affected by the arrangement under which the selection rested entirely with the Commissioners in meeting. The majority of the Commissioners being themselves elected, it followed that, if there was any contest for election to the Town Council, experience shewed that these nominated Commissioners would be elected who would rather be representatives of the elected majority than representatives of the nominated minority. The Council had before them the case of Bombay, where the Town Council was recognized by law from the first, and where it had worked extremely well. There the Government nominated to the Town Council in the same way as it did to the Corporation itself. The present Bill therefore proposed to limit the number of the Town Council to 15 instead of to 30, and of these, ten would be selected by the elected Commissioners, the town being divided into five groups of wards, and the other five members would be selected by the Lieutenant-Governor. Representations had also been made by Mr. Harrison himself, and also by a petition of the

rate-payers and inhabitants of Calcutta which had already been laid before the Government, that it was extremely difficult for business men to attend meetings of a body like the Town Council, the proceedings of which were necessarily protracted, and the attendance at which was never regular. Therefore, while the example of Bombay was followed as to the constitution of the Town Council, it should also be placed on the same footing as regards payment of its members. The present Bill proposed that all the members of the Town Council should receive a fee of Rs. 20 for each attendance, except, of course, the salaried officers of the Corporation. As he had said, he had no doubt that in some quarters this Bill would be regarded as disappointing, because it went no further in one direction or in the other. But he considered the example of Bombay, where they had not travelled nearly so fast towards a purely representative Corporation as in Calcutta, to be a very good one, and it should be recollected that the new Corporation would have a task of an exceedingly difficult kind, and therefore it was very desirable that it should be constituted with due regard to the interests of all classes interested in the enlarged Municipality of Calcutta. The work that they would have to undertake in considering the sanitation of the new area entrusted to their charge was a work of very great difficulty, and, above all, of very great difficulty for a large body to undertake; for generally it was found that large bodies were far better suited to maintain things in *statu quo* than for the task of origination and construction. The new Corporation had to extend to the suburbs the water-works and the drainage works on the lines on which they had been laid down in the town. The first great difficulty would be how far the great systems of drainage and water-supply ought to be, consistently with justice and consistently with circumstances, extended to the suburbs. It would also have to be considered how far the present sanitary system of the town might be enlarged and improved. The new body would have, in effect, to constitute a Sanitary Department for the suburbs and to some extent for the town also. That would require great experience and great forbearance, and he was bound to say that it seemed to him very undesirable to make any radical alteration in the constitution of a body which had been built up on certain lines, and which would have entrusted to it a task of such importance and magnitude. He might mention that there was one provision in the Bill which was specially directed to meet this difficulty. It was not proposed that the new body should be elected till one year after the Bill became law. Till then all the members of the Town Corporation and of that portion of the Suburban Corporation which would be amalgamated with it would continue to hold office, as great benefit would be derived from using during the first year—the period of construction—the experience already gained by its members, instead of entrusting so difficult a task to a newly-elected body.

The HON. ANUNDO MOHUN BOSE said that the Bill had been circulated to the members only last evening, and in some cases later; he did not think it would be of any advantage under the circumstances to enter into a discussion on it then. He understood that the object of introducing the Bill in its present stage was to invite discussion and elicit opinion from the public. He trusted that the report of the Committee on which the Bill was based, together with all the other papers bearing on it, would also be circulated to members.

HIS HONOR THE PRESIDENT said that it would not be necessary at this stage of the proceedings to enlarge upon the objects and reasons of the measure, as those had been very clearly and succinctly stated by the hon. member to his left. He would only take this opportunity of saying, with reference to the remarks which had fallen from the hon. member to the right, that the desire of the Government had been to present this Bill to the Council in fulfilment of the pledge which the Government gave when it was reviewing the report of the Hon. Mr. Reynolds' Committee in reference to the question of the amalgamation of the Town and the Suburbs—a pledge that legislation would be undertaken this year, but should not proceed beyond the introduction of the Bill. This Bill, which concerned the health and the sanitation of this great city of Calcutta, affected a variety of interests, and he had no doubt that it would receive very ample criticism and examination both from the town

and suburban Corporations, and that due consideration which it deserved. It being placed before the public now, on the 10th of April, they had before them at least seven or eight months before the Council would re-assemble for the fullest consideration of all its details. His Honor had hoped thereby to anticipate also another class of objection, which he regretted to find had become frequent, and that was that when a measure had been produced; when it had been for months under the exact and detailed examination of all those who were concerned in it; when it had been brought forward in that Council and had been threshed out by a Select Committee; and lastly when it was presented in its final form—the objection was taken that the Government had been actuated by unnecessary haste in forcing the measure through the Council. His Honor hoped that the lapse of the seven or eight months during which this Bill would be published would give the amplest opportunity for the fullest enquiry, so that they might look forward to the end of the year, when they met again, to proceed with the Bill with a strong Select Committee, whose labours, he hoped, would be concluded in time to enable the Bill to be passed through the Council before that session closed. With reference to the remarks of the hon. member who last spoke, His Honor would give him the assurance that as soon as he received the official reply from the Government of India to the letter he had addressed to them two months ago on the subject of this Bill, unless any objection was raised to the publication of the papers, he would be ready to place before the hon. member and the public generally all the correspondence connected with this Bill. He would suggest to the hon. member in charge of the Bill that the appointment of the Select Committee should be deferred for the present.

The motion was put and agreed to.

STEAM-BOILERS AND PRIME-MOVERS.

The HON. MR. REYNOLDS moved that the report of the Select Committee on the Bill to amend Bengal Act III of 1879 be taken into consideration. He said that the Bill had gone through very extensive changes in its progress through the Select Committee. The communications which had been received on the subject of the Bill showed that the current of public opinion was strongly against the Bill in the form in which it was originally introduced and referred to a Select Committee, and in consideration of the opinions which the Select Committee had before them they had entirely recast the Bill and restored it to the form in which the members of the Boiler Commission had originally suggested that the Act should be amended, by simply striking out all words which referred to the inspection of prime-movers.

The motion was put and agreed to.

The HON. MR. REYNOLDS moved that the Bill as amended be passed. He said that although the changes which had been made were very considerable, they had been in accordance with the expression of public opinion on the subject, and as no amendments had been placed on the notice paper, he thought he might assume that the Council was in favour of passing the measure in its present shape.

The motion was put and agreed to, and the Bill was then passed.

AMENDMENT OF THE VILLAGE CHOWKIDARI ACT.

The HON. MR. GARRETT moved that the clauses of the Bill to further amend the Village Chowkidari Act, 1870, be further considered.

The motion was put and agreed to.

The HON. MR. GARRETT said that he wished shortly to explain the reasons for the amendment which he was about to move. Section 38 of Act VI of 1870 provided that every chaukidar who might be guilty of any wilful misconduct in his office or of neglect of his duty, such misconduct or neglect not being an offence within the meaning of the Indian Penal Code, and not being of so grave a character as in the opinion of the Magistrate to require his dismissal from office, should be liable to a fine which should not exceed the amount of one month's salary. It seemed to the Select Committee that there might be cases

in which a chaukidar might commit some act or omission which technically amounted to an offence within the meaning of the Penal Code, but which being trivial in its character was not worth the trouble of a criminal prosecution: such acts, it seemed to the Committee, might be sufficiently punished departmentally. But it had been pointed out that in doing that the Committee had somewhat unwittingly gone against the general principle that all acts amounting to offences under the Penal Code should be dealt with in the manner provided by that Act and not otherwise. He thought it best therefore to ask the Council to leave out section 8 of the Bill, and he now moved that the section be omitted.

The motion was put and agreed to.

The HON. ANUNDO MOHUN BOSE moved that after the second proviso in section 2 the following words be added:—"unless the Magistrate of the district shall concur in these reasons, if any, the persons selected by the villagers shall be appointed as punchayets." He said that there was one point in connection with this section which was left in a somewhat dubious state, and he thought it would be desirable to clear up the doubt before the Bill was passed. The section provided that the appointment of the punchayet should rest with the District Magistrate, but he was required to take special means to ascertain who, in the opinion of the villagers, were the fittest persons for the office; and for this purpose a magisterial officer was to be deputed who, if he found that there were special reasons why the nomination of the villagers should not be accepted, must record his reasons for so determining. There was, however, one step left doubtful, viz. what was to happen after that? Evidently the section meant that in cases in which the selection by the villagers of the most proper persons to be appointed met with the approval of the special officer those persons should be appointed to the punchayet. In cases in which that officer was not prepared to accept the selection made by the villagers, he was to record special reasons for his differing from that opinion, and in such cases no doubt the controlling power would be in the hands of the Magistrate. If he did not agree with those special reasons, or if no such reasons were recorded, he would confirm the selection made by the villagers; but if he agreed with those reasons, he might set aside the selection of the villagers. Under these circumstances, it seemed desirable to make the matter clear by adding the words of the amendment.

The HON. MR. GARRETT said he was sorry he could not accept the amendment of his hon. friend opposite. It was no doubt the intention of the Legislature that the wishes and opinions of the villagers should be respected, but it was going a step much further to say that the Magistrate was bound to accept the opinion and wishes of the villagers. He certainly was not prepared to concede to the villagers the power of electing their punchayets. It was quite possible that in certain cases some portion of the villagers might select some person whom it was highly undesirable to appoint. He believed that in every case in which the Magistrate of the district could do so properly he would always respect the opinion of the villagers; but as he thought the Council had already agreed that they could not properly concede to the villagers the right of electing their punchayet, he could not consent to an amendment which, if passed, would practically concede the right. He agreed that the Magistrate should respect the wishes of the villagers, but he could not agree that the Magistrate should be bound by a hard and fast rule to accept their nominees.

The HON. RAI JAI PROKASH LALL BAHADOOR supported the amendment. He thought it was only proper that if the Magistrate did not concur with the special reasons assigned by the officer deputed to the village, the nomination of the villagers should hold good.

The HON. MR. REYNOLDS considered the amendment unnecessary. When the list was submitted to the Magistrate, he would have before him the names suggested by the villagers as persons fit to be appointed the punchayet, and

he would also have before him the special reasons recorded by the officer for appointing other persons, and it went without saying that unless those special reasons were of sufficient weight to induce the Magistrate to reject the nomination of the villagers, he would confirm their selection; and therefore it seemed to Mr. REYNOLDS that the amendment was superfluous and uncalled for.

The HON. ANUNDO MOHUN BOSE said he did not think it necessary, after what had fallen from the Hon'ble Mr. Reynolds, to press the amendment. All that he wanted was that there should not be a power in the Magistrate to override the wishes of the villagers, and that view was strengthened by the last proviso of the section, which laid down that in every village to which the Act had already been extended, the Magistrate should, as soon as might be, ascertain in the manner previously indicated the persons most proper to be appointed members of the punchayet, and should appoint them *accordingly*. That no doubt gave additional strength to the interpretation which had been attached to the section by the last speaker, and removed any ambiguity which might have attached if the second proviso had stood by itself. He therefore would ask leave to withdraw the amendment.

The motion was by leave withdrawn.

The HON. RAI JAI PROKASH LALL BAHADOOR moved that section 66 of Act VI of 1870 be repealed. It would be seen that the section provided that any liability, duty, or obligation cast upon any zemindar by the existing law to report crimes or offences within his estate should not be affected by the Act. Hon. members were aware that the origin of the theory that the owner of land was bound to report crimes which might be perpetrated on his estate might be traced to the Regulations which were passed between 1810 and 1814. In those primeval times the zemindar was supposed to reside on his estate and to preside over and control the action of the village community of every village which belonged to him. Means of communication were extremely rude, and the regular police was conspicuous by its insufficiency. It was but natural therefore that the Government should then look to the landholders for supplying it with correct and early information about the commission of offences against life and property. And apart from the question whether the obligation thus created was founded upon principle of justice or not, it was at any rate not difficult of fulfilment.

This state of things had been totally changed, and yet the obligation continued in all its integrity. The last Statute which laid it down was section 45 of the present Code of Criminal Procedure. This was not the place nor the time to discuss the propriety of repealing that section. But as the Council was considering how far Act VI of 1870 should be amended, he thought they ought to see how far they were justified in retaining in the Act words which accentuated an obligation out of harmony with the present conditions of our national life. The village community had been disintegrated: the Bill would give it the final death-blow. The landholder was no longer the motive power which could move the village organization in response to his will: he existed on sufferance only, and had lost all his prestige and all his influence by the operation of the Bengal Tenancy Act, and he had been relieved of police charges and deprived of all control over village watchmen. It was only proper therefore that this Council should no longer retain on its Statute book a section which laid down a doctrine which should now be absolute.

The HON. MR. GARRETT said he could not accept the hon. member's amendment. He must complain that at the eleventh hour the hon. member should move so important an amendment on a section of the original Act which had not up till the present moment been touched upon in any of their discussions. The duties and liabilities which the hon. member sought to sweep away had been imposed on the landholders by what he might call the common law of the country. He did not think that any member of the Council was disposed to relieve the landholders of the very wholesome public burthens imposed on them by the General Acts and Regulations, and he would therefore oppose the hon. member's amendment.

The HON. RAI JAI PROKASH LALL BAHADOOR said there was no doubt that the principle contained in section 66 of the Village Chaukidari Act was laid down in the Code of Criminal Procedure. If the matter rested there alone, his amendment would be *ultra vires*, but the same principle was recognized by section 66 of Bengal Act VI of 1870, and as the Council were considering the amendment of that Act, he contended that that section of the Act should be repealed. There was no doubt that section 45 of the Criminal Procedure Code put the responsibility of reporting crime on the zemindar, and this Council could not repeal that law. But if section 66 of Bengal Act VI of 1870 was repealed, the zemindars could move the Imperial Council with their hands strengthened, and if the Government of India accepted their appeal, it would relieve the zemindars of the responsibility; but without the repeal of the section in the Bengal Act the responsibility would remain with the zemindars.

The motion was put to the vote and negatived.

The HON. RAI JAI PROKASH LALL BAHADOOR moved that the following be inserted after section 15 of the Bill:—

“Section 15.—After section 67 the following shall be inserted:—

“67A.—It shall not be competent to the Magistrate, notwithstanding anything contained in this or any other Act or Regulation to the contrary, to require any zemindar or any person holding land to appoint or maintain any chaukidar for the purpose of keeping watch or ward over a public road or a public ferry.”

Hon. members might not be aware that in the Shahabad district the local authorities required the zemindars to maintain a costly establishment of chaukidars to watch the public roads and the public ferries. Whether the same practice obtained in any other district he could not say. These roads were constructed and maintained by Government and the Road Cess Department, and the zemindars and the people had to pay a tax for the same. The ferries, again, had been resumed by Government and were sources of large revenue to them. That being so, one might think that the Government would provide for the watch and ward of these places, but this obligation, somehow or other, seemed to have been allowed to remain on their shoulders. Where the question of ways and means was concerned, it might be considered desirable to thrust the burden on the zemindars, but it was doubtful whether they would now be disposed to accept it without demur.

Now, what was the authority on which this obligation rested? Why should the landholders of all other people in the country be selected as the persons who should pay for the protection of Her Majesty's mails from robbery or passengers from unwelcome visitors? He submitted that the maintenance of these road and ghât chaukidars at the expense of the zemindars was a grave injustice. The Government levied many taxes. It carried on an extensive postal system for administrative purposes; it derived enormous revenues from its public ferries, and still apparently without any law or authority it compelled the zemindar to provide for the discharge of duties which legitimately belonged to it alone and with which the landowner had nothing to do.

F HIS HONOR THE PRESIDENT asked under what regulation or law the practice, to which the hon. member referred, was in force in Shahabad. He presumed that the practice had reference to the duties and obligations connected with what were known as chakran chaukidari lands.

The HON. RAI JAI PROKASH LALL BAHADOOR could not say under what authority these services were required of landholders, but he could show His Honor an order under which the Maharajah of Doomraon was required to maintain these chaukidars. These roads led to the ferry ghâts, the ferries at which had been resumed by Government. The Maharajah had moved in the matter, but got no redress. When the ferries belonged to the zemindars, it was right that the zemindars should provide for the watch and ward of the ferry ghâts and of the roads leading to them; but when they had been resumed by Government, and the profits no longer went to the zemindars, it was but right that the obligation to maintain chaukidars

should be removed. This state of things had gone on for a long time: the chaukidars were paid by way of salary and grants of land.

HIS HONOR THE PRESIDENT said that he must intimate to the hon. member that it was not proper to place on the notice paper an amendment of this character at the last stage of the proceedings connected with the Bill. If what the hon. member complained of was a grievance, he should have submitted his amendment at an early stage to the Select Committee, of which he was a member. And even now, if there was a real grievance, he could represent it to the Government through the Commissioner, and HIS HONOR could assure the hon. member that any representation which might be thus submitted would be carefully enquired into.

The HON. RAI JAI PROKASH LALL BAHADOOR by leave withdrew the amendment.

On the motion of the HON. MR. GARRETT, the Bill as amended was then passed.

AMENDMENT OF THE VACCINATION ACT.

The HON. MR. REYNOLDS moved that the clauses of the Bill to amend Bengal Act V of 1880 be considered. He said he need not detain the Council on this occasion because at the last sitting he had explained the changes which had been made in the Bill, and he then gave notice of the present motion. No amendment had been placed on the paper, and he was not aware that any further objection would be taken to the Bill.

The HON. MR. CRUICKSHANK desired to say, in reference to the objections which had been made by the Chamber of Commerce on behalf of the mercantile community when this Bill was introduced, and especially with regard to the very extensive powers which were proposed to be conferred on the Health Officer of the Port, that the modifications which had since been made by the Select Committee after very carefully considering the subject seemed to meet the objections which had been taken to the Bill as it originally stood, and he now gave his support to the Bill as it had been amended.

The motion was put and agreed to.

On the motion of the HON. MR. REYNOLDS the Bill was then passed.

The Council was adjourned *sine die*.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 17th April 1886.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
<i>Western Districts.</i>			
BORDWAN DIVN.	1 Burdwan, April 17 '86	Nil	Weather—seasonable. Lands being prepared. Common rice 17 to 22 seers per rupee. Public health fair. Cattle disease in Cutwa sub-division.
	2 Bankoora, „ 17 „	Nil	Weather—seasonable. Cotton flowering in some places. <i>Til</i> and indigo doing well. Sugarcane being planted. Prices almost stationary. Public health good.
	3 Beerbhoom, „ 17 „	0.01	Weather—hot. <i>Til</i> being sown and land ploughed wherever practicable; but rain is wanted. A few cases of cholera in Rampore Haut; otherwise public health good.
	4 Midnapore, „ 17 „	Nil	Weather—seasonable. Lands being cultivated. Harvesting of <i>boro</i> rice has begun. Public health good.
	5 Hooghly, „ 17 „	Nil	Weather—very hot. <i>Boro dhan</i> doing well. Ploughing going on. Cases of cholera reported here and there.
PRESIDENCY DIVN.	Howrah, „ 19 „	Nil	Weather—seasonable. South wind. Harvesting of <i>boro dhan</i> commenced. Prospects good.
	<i>Central Districts.</i>		
	6 24-Pergha, April 20 '86	Nil	Weather—very hot. No crops on ground except sugarcane. Lands being prepared for early paddy. Public health generally good, though cases of cholera reported from parts of Diamond Harbour, Sudder and Baraset Sub-divisions.
	7 Nuddea, „ 17 „	0.17	Temperature very high. Village in progress. Health fair. Cholera in Meherpore and Kushtea.
	Kushtea „ „	0.28	
	Meherpur „ „	1.02	
	Chuadanga „ „	Nil	
	Ranaghat „ „	Nil	
	8 Khoolna, „ 17 „	Nil	In Satkhira rain 2.75 inches and hail; elsewhere weather fine with south wind. Yield of <i>boro</i> rice good. Ploughing continues. Public health good.
	9 Jessore, „ 17 „	Nil	Weather—very hot. Sowing of paddy commenced. Rain wanted. Cholera prevalent in the district. Deaths from cholera reported from Magura and Bongong sub-divisions. The disease has assumed a virulent type in Magura, Mahamedpur, and Sripur police stations in Magura sub-division.
RAJSHAHY DIVN.	Narail „ „	0.18	
	10 Moorabedabad, „ 17 „	0.29	Weather—seasonable. Ploughing for next rice crops progressing, and in some places sowing going on. Prospects of <i>boro dhan</i> favourable. Public health fairly good; but some cases of cholera have occurred in the Sudder and Lalbagh sub-divisions. Common rice 18 to 19 seers per rupee.
	Lalbagh „ „	0.18	
	Kandi „ „	0.15	
	Jungipore „ „	0.28	
	11 Dinagepore, April 16 '86	Nil	Weather—hot. <i>Rubbee</i> harvest completed. Prices stationary.
	12 Rajshahye, „ 17 „	Nil	Days hot, nights cool. Sowing of <i>aus</i> , <i>amun</i> , <i>til</i> , and jute going on. More rain wanted. Public health fair.
	Natore „ „	0.14	
	13 Rangpore, „ 17 „	Nil	Weather—dry and hot. Weeding of <i>aus</i> , <i>kaun</i> , and jute continues. Prospects good. Public health continues good.
	Kurigram „ „	2.17	
DACC DIVISION.	Nowraong „ „	1.38	
	Nilphamari „ „	Nil	
	14 Bogra, „ 17 „	Nil	Weather—very warm, occasionally cloudy. High winds from the 14th. Cultivation for <i>aus</i> and jute continues. Rain wanted. Public health fair.
	15 Pubna, „ 17 „	0.19	Weather—very hot with west wind in day time. Crops doing well. Cholera continues, but not quite so bad.
	Serajgunge „ „	0.40	
	16 Darjeeling, „ 17 „	0.57	Weather—fine, dry, and windy. Crops all good. 17 cases of small-pox reported from the Terai.
	17 Julpigoree, „ 17 „	0.31	Clear hot weather; west winds. More rain wanted generally. At Alipur heavy rain has fallen. Sowing of jute and <i>bhadai dhan</i> commenced. Cattle disease very prevalent in places. Public health good.
	<i>Eastern Districts.</i>		
	18 Dacca, April 17 '86	1.69	Days hot and nights cool. Ploughing and sowing of rice and jute continue. Prospects good. Sporadic cases of cholera reported from Manickgunge and in the town, otherwise public health good.
	Manickgunge „ „	2.79	
	Munshigunge „ „	3.66	
	Naraingunge „ „	0.47	
	19 Furreedpore, „ 17 „	0.01	Great heat. Agricultural prospects fair, but rain wanted. Cholera more or less all over the district, and very severe at head quarters.
	Goalundo „ „	0.22	
	Madaripore „ „	0.85	
	20 Backergunge, „ 15 „	1.77	Weather—seasonable. Prospects of crops good; but more rain wanted. General health fair. Cholera in a sporadic form still reported.
	21 Mymensingh, „ 16 „	0.77	Weather—cool. A sharp storm on the 14th. Prospect of crops good. Cholera prevalent in Tangail sub-division.
CHITTAGONG DIVN.	Jamalpur „ „	0.99	
	Kishoregunge „ „	1.91	
	Attea „ „	2.28	
	Netrokona „ „	0.33	
	22 Chittagong, April 20 '86	Nil	Weather—seasonable. Winter crops being harvested. Prices steady. Small-pox continues. Cholera reported from Satkane. Public health generally good.
	23 Noakholly, „ 16 „	6.46	Stormy south wind, cloudy sky. Rain heavy enough to damage the winter crops on the ground; as also the rice just sown.
CHITTAGONG DIVN.	24 Tipperah, „ 15 „	0.94	Very high winds with frequent showers. Heavy rain has checked ploughing for paddy crops, which is now, however, proceeding vigorously. Hail, which fell on two days, has done some damage to chillies and young sugarcane. A violent storm on the 7th destroyed upwards of 1,000 houses in the Chandagram thana and caused a heavy loss of life and property.
	Brahmunbariah „ „	3.99	
	Chandpur „ „	2.95	
	26 Chittagong Hill „ 13 „	1.91	Sky cloudy. Heavy rain in the middle of the week. Temperature a little cooled down. <i>Joom</i> cutting over, but burning retarded owing to heavy rain. Planting of sugarcane continues. Tobacco, chillies, and melon have been considerably damaged by hail and heavy rain. Ploughing continues for <i>aus</i> paddy crop.
	Hill Tipperah, „ 14 „	5.97	Weather—getting hot. <i>Boro</i> paddy getting ripe. Chillies still being reaped. <i>Aus</i> paddy being sown. Public health good.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.			
PATNA DIV.	26 Patna, April 17 '86	Nil	Weather—hot. Harvesting of <i>rubbee</i> crops nearly completed. <i>Rahar</i> is being reaped, gathering of castor going on. Public health good, with the exception of a few cases of fever in Barh town.
	27 Gya, „ 17 „	Nil	Heat has considerably increased. Hot west winds have set in regularly. Sugarcane and <i>cheena</i> , the only crops on the ground, are doing well. Prices steady. Health good.
	28 Shahabad, „ 17 „	Nil	Weather—hot. Threshing of <i>rubbee</i> crops in progress. Sugarcane and indigo doing well. Public health fair.
	29 Durbhunga, „ 17 „	Nil	Strong west wind prevailing. Threshing of <i>rubbee</i> still going on. <i>Rahar</i> being reaped with a good outturn. <i>Moong</i> , early paddy and indigo coming on well. Rain much needed for them. Prices rising slightly. Public health good.
	30 Mozufferpore, „ 17 „	Nil	Violent west wind; air hot and dry. Early rice, <i>cheena</i> and <i>mung</i> , being sown. Opium weighing in progress. Public health fair.
	31 Sarun, „ 17 „	Nil	Weather—hot with westerly wind; morning cool. Sowing of <i>cheena</i> in full progress. <i>Rahar</i> has been cut. Opium weighing more than half finished. Indigo looks well. Public health good.
	32 Chumparun, „ 17 „	Nil	Weather—seasonable with strong westerly wind. <i>Rubbee</i> harvest nearly completed. Weighing of opium in progress. Prices stationary. Public health good.
BHAGULPUR DIV.	33 Monghyr, April 17 '86	Nil	Weather—hot with high west wind. Harvesting of <i>rubbee</i> crops nearly completed with favourable outturn. Public health generally good, but sporadic cases of small-pox reported from Begooesrai. Prices almost stationary.
	34 Bhagulpore, „ 17 „	Nil	Weather—hot with strong west winds. Ploughing in progress. Some <i>moong</i> and <i>dhan</i> already sown. High winds have further damaged mango crop. Public health good.
	35 Purneah „ 17 „	Nil	Weather—hot with west wind; nights fairly cool. Standing crops doing well. Wheat harvest a good one.
	36 Maldah, „ 17 „	Nil	Weather—hot and bright. Strong westerly wind during day time. <i>Rubbee</i> harvest almost complete with good outturn. Rain wanted for cultivation of <i>bhadoi</i> crops. Common rice selling at from 16 to 22 seers per rupee. Public health generally good.
	37 Sonthal Pergas, „ 17 „	Nil	Settled hot weather with hot west wind. <i>Mohua</i> crop gathered; outturn fair, but rather below the average. Mango crop will be very short from want of rain. Wheat and barley harvest nearly over; outturn above the average. Small-pox still prevalent, but general health good.
ORISSA.			
ORISSA DIV.	38 Cuttack, April 16 '86	Nil	Weather—hot; occasionally cloudy. <i>Dalua</i> rice being reaped. Cotton flowering. Sugarcane being transplanted. Ploughing in progress. Common rice sells at 14 Cuttack seers per rupee in town and 18 to 22 seers in the interior. Scattered cases of cholera reported; otherwise public health good.
	39 Pooree, „ 15 „	A few crops.	Weather—seasonable. Lands being ploughed. Early <i>dalua</i> rice being harvested. Late <i>dalua</i> thriving well. Miscellaneous crops, such as mango, jack, &c., promising. Relief works still going on in the Chilka tracts. Common rice sells at an average of 21 seers per rupee in the sudder sub-division, and 21 seers 7 chittacks in the Khoorda sub-division. Cholera still reported both from the town and the mofussil.
	40 Balasore, „ 16 „	Nil	Weather—hot. Ploughing of lands in progress. A few sporadic cases of cholera reported from the interior; otherwise public health good.
CHOTA NAGPORE.			
<i>South-West Frontier Agency.</i>			
41	Hazaribagh, April 16 '86	Nil	Weather—seasonable. Very warm with strong winds. Sugarcane doing well. <i>Mohua</i> yielding fairly. No other crops to report about. General health good.
42	Lohardugga, „ 17 „	Nil	Weather—seasonable (warm). No standing crops to report on. <i>Mohua</i> and mango promising well. In Palamow sub-division <i>rubbee</i> harvesting almost finished. Prices as before. Public health good.
43	Singbhoom, „ 16 „	Nil	Weather—very warm. No crops to remark on. The district is exceptionally healthy for the time of year.
44	Manbhoom, „ 17 „	Nil	Weather—hot. Sugarcane being planted. Public health good.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 20th April 1886.P. NOLAN,
Offg. Secretary to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE
DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE
15TH APRIL 1886.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

No sheet.	DISTRICTS.	QUANTITIES PER RUPEE IN																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE COMMON.			JOWAR OR CHOLUM. (Sorghum Vulgare.)					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
BENGAL.																			
Western Districts.																			
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.			
1	Burdwan	17 0	18 0	16 4	30 0	30 0	24 0	16 0	16 0	13 10	21 0	21 0	17 6	...	...	...
2	Bankocra	19 0	20 0	18 0	24 0	23 0	20 0	19 8	19 8	15 8	22 8	22 8	18 0	...	...	...
3	Peerbhoom	18 0	16 8	17 4	...	...	...	16 0	15 8	12 0	19 8	20 0	15 0	...	...	...
4	Midnapore	18 0	16 0	16 0	...	...	...	16 0	17 0	14 0	22 0	22 0	18 0	...	...	...
5	Hooghly	16 0	16 0	17 0	...	...	...	10 0	10 0	10 0	15 0	15 0	14 0	...	...	...
	Howrah	14 8	14 0	16 0	...	...	...	8 4	8 4	11 4	15 0	14 12	14 4	...	...	...
Central Districts.																			
	Calcutta	16 8	14 4	16 0	21 6	19 0	20 0	7 12	7 8	8 4	9 8	9 0	11 6	19 0	...	11 10			
6	24-Pergunnahs	13 4	13 4	16 0	17 8	17 8	19 0	8 0	8 0	8 0	13 5	12 5	17 8	...	...	...
7	Nudda	17 4	17 4	18 12	22 15	22 15	24 0	14 8	14 8	12 5	16 0	16 0	13 14½	...	...	...
8	Khoolna	...	...	...	...	...	...	16 0	16 0	14 8	18 0	18 0	16 0	...	...	...
9	Jessore	13 4	12 4	13 4	...	...	...	13 4	13 4	13 4	17 0	17 8	14 8	...	...	...
10	Moorshedabad	20 0	20 0	19 0	...	...	...	14 0	13 0	11 0	17 8	17 8	14 0	...	...	...
11	Dinapore	16 0	16 0	16 0	17 0	17 8	16 0	18 0	16 12	15 0	20 0	22 0	16 0	...	...	...
12	Rajshahye	15 0 to 21 0	15 0 to 21 0	18 0 to 20 10	32 0	32 0	30 0	16 0	16 8	12 0	19 8 to 20 4	19 8 to 20 4	14 0	...	...	...
13	Rungpore	17 0	23 0	18 0	...	...	...	17 0	20 0	11 0	18 0	23 0	13 0	...	...	...
14	Bogra	19 8	18 12	14 3	...	...	...	15 0	15 0	12 0	24 0	24 0	16 6	...	...	...
15	Pubna	22 8	24 0	24 0	...	...	...	8 4	8 4	8 4	18 0	18 12	15 0	...	...	...
16	Darjeeling	15 0	10 0	...	12 0	...	10 0	5 0	5 0	5 0	14 0	14 0	12 0	...	...	...
17	Julpigoree	13 0	13 0	13 0	...	...	20 0	14 0	14 0	14 0	25 0	25 0	18 0	...	...	...
Eastern Districts.																			
18	Dacca	16 0	14 0	21 0	26 0	26 0	32 0	13 0	14 8	16 0	15 0	18 8	17 12	...	...	...
19	Furreedpore	16 0	16 0	16 0	20 0	25 0	34 0	16 0	14 0	14 0	19 0	19 0	16 0	...	...	...
20	Backergunge	...	...	...	...	...	...	13 0	13 0	13 4	16 0	15 0	16 0	...	...	...
21	Mymensingh	13 0	13 0	13 4	...	...	...	13 0	12 0	12 8	20 0	20 0	16 0	...	...	...

A In sub-divisions retail prices of salt per rupee were:—Culina 14 seers, Cutwa 13½ seers, and Raneeunge 13 seers.

B In Bishenpore retail price of salt 12 seers per rupee.

C In Rampore Hat retail price of salt 13½ seers per rupee.

D In sub-divisions retail prices of salt per rupee were:—Ghattal 13½ seers, Tumlook 11 seers.

E In sub-divisions retail prices of salt per rupee were:—Serampore 13 seers, and Jahanabad 13½ seers.

F In sub-divisions retail prices of salt per rupee were:—Baraset and Barrackpore 12½ seers, Busirhat 13 seers, Diamond Harbour (a Kulpihat 12½ seers), and Dum-Dum 12 seers.

G In sub-divisions retail prices of salt per rupee were:—Meherpore and Chooadanga 12 seers, Ranaghat 12½ seers, and Kooahat 12½ seers.

H In Sakhuia and Bagrhat sub-divisions retail price of salt 11 seers per rupee.

I In sub-divisions retail prices of salt per rupee were:—Jhenida and Narai 12 seers, Magoora 10½ seers, and Bongong 13 seers.

BAJRA OR CUMBU. (<i>Pennisetum typho- id um.</i>)	MAHUA OR RAGI. (<i>Eleusine Corocana.</i>)
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S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch.

3	0	13	0	18	0
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0	0.01	0.02	0.04	0.07	0.09
1	0.01	0.02	0.03	0.05	0.07
2	0.02	0.04	0.06	0.09	0.12
3	0.03	0.06	0.09	0.13	0.17
4	0.04	0.08	0.12	0.17	0.22
5	0.05	0.10	0.15	0.21	0.27
6	0.06	0.12	0.18	0.25	0.32
7	0.07	0.14	0.21	0.29	0.37
8	0.08	0.16	0.24	0.33	0.42
9	0.09	0.18	0.27	0.36	0.46

muon 12 1/2 seers.

KANGNI OR KAKUS ITALIAN MILLET. (<i>Setaria italica</i> .)			GRAM, CHANA, BHOLA, KADALAI OR SUNAG. (<i>Cicer arietinum</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	24 0	22 0	19 0
...	19 0	19 0	18 0
...	22 0	22 8	20 0
...	17 0	17 0	17 0
...	16 0	16 0	17 0
...	17 8	17 12	17 12

16 0	16 0	...	19 15	19 0	19 0
...	...	...	17 8	17 8	17 0
...	...	...	24 9 ¹	21 9 ¹	24 0
...	...	...	16 0	16 0	16 0
...	...	...	20 0	20 0	21 0
...	...	...	26 0	26 0	25 0
...	...	...	16 0	16 0	16 0
...	...	...	20 0	20 3	20 0
...	...	...	13 0	13 4	13 0
...	...	...	24 0	21 12	24 0
...	...	...	21 0	16 0	22 0
...	...	...	11 0	10 0	3 0
...	...	...	14 0	14 0	16 0

...	...	...	21 0	14 8	16 0
...	...	...	16 0	16 0	16 0
...	...	...	16 0	16 0	16 0
...	...	...	16 0	15 0	16 0

7446

152 seers
H In Da-khira and Bagirhat sub-divisions retail price of salt 11 seers per rupee.
I In sub-divisions retail prices of salt per rupee were :—Jhenida and Narail 12 seers, Mag

Districts of Bengal during the Fortnight ending the 15th April 1886.

INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	...	...	21 0	21 0	...	120 0	120 0	120 0	13 8	13 8	13 5	2 15 0	2 15 0	2 15 0	Burdwan.
30 0	29 0	30 0	22 0	22 0	...	360 0	360 0	242 0	12 8	12 8	13 0	3 2 0	3 2 0	3 0 0	Bankoora.
...	...	...	22 8	24 0	...	160 0	160 0	12 0	12 0	12 0	12 0	3 2 6	3 2 6	3 2 4	Beerbhoom.
...	...	...	14 0	14 0	16 0	155 0	155 0	155 0	12 8	12 8	12 8	3 0 3	3 0 3	3 1 0	Midnapore.
...	...	...	15 0	15 0	...	120 0	120 0	120 0	13 9	13 9	13 9	2 14 0	2 14 0	2 14 0	Hooghly.
...	...	...	15 4	15 0	...	90 0	80 0	80 0	13 0	13 0	13 0	3 0 0	3 0 0	3 0 0	Howrah.
19 16	19 15	11 10	16 4	19 15	...	90 0	110 0	90 0	13 4	13 4	13 4	2 12 0	2 12 0	2 12 0	Calcutta.
18 12	17 8	20 0	17 8	20 0	...	90 0	100 0	100 0	12 13	12 13	12 13	3 0 0	3 0 0	3 0 0	24-Pergunnahs.
...	...	...	20 0	20 0	...	...	...	...	11 10½	11 10½	11 10½	3 0 0	3 0 0	3 0 0	Nuddea.
...	...	...	10 8	10 0	...	200 0	200 0	200 0	12 0	12 0	12 0	3 4 0	3 4 0	3 2 0	Khoolna.
...	...	...	26 8	26 4	...	120 0	120 0	120 0	12 0	11 12	11 12	3 2 0	3 0 0	3 2 0	Jessore.
...	...	...	21 0	21 6½	...	120 0	120 0	120 0	11 4	11 4	11 4	3 12 0	3 12 0	3 8 0	Moorshedabad.
...	...	...	...	...	...	160 0	160 0	120 0	12 4	12 8	12 8	3 3 0	3 2 0	3 2 0	Dinapore.
...	...	...	22 0	22 8	...	240 0	240 0	240 0	12 12	12 12	12 0	3 0 0	3 0 0	3 4 0	Rajshahye.
...	...	...	14 0	14 0	...	110 0	110 0	110 0	12 12	13 4	12 8	2 12 0	2 12 6	.....	Rurgpore.
...	...	...	...	...	...	90 0	90 0	90 0	10 6	10 6	12 0	3 5 4	3 5 4	3 2 0	Bogra.
...	...	...	21 0	21 0	...	200 0	200 0	200 0	12 6	12 6	12 0	3 2 0	3 2 0	3 2 0	Pubna.
...	20 0	18 0	8 0	8 0	...	120 0	120 0	128 0	8 0	8 0	8 0	4 4 0	4 6 0	4 8 0	Darjeeling.
...	...	...	...	...	...	120 0	120 0	128 0	12 0	12 0	12 4	3 4 0	3 4 0	3 4 0	Julpigoree.
...	...	...	...	...	...	120 0	120 0	80 0	12 0	12 0	13 2	3 2 0	3 2 0	3 0 0	Dacca.
...	...	...	16 0	16 0	...	140 0	140 0	120 0	12 0	12 0	12 0	3 5 0	3 5 0	3 2 0	Furreedpore.
...	...	...	13 0	13 0	...	120 0	120 0	120 0	12 8	12 8	13 0	3 2 0	3 2 0	3 0 0	Backergunge.
...	...	...	20 0	20 0	...	...	...	...	12 4	12 4	12 12	3 3 0	3 3 0	3 2 0	Mymensingh.

J In sub-divisions retail prices of salt per rupee were:—Labagh and Kandi 12 seers and Jungipore 12½ seers.

K In Nattore and Nowgong retail price of salt 13 seers per rupee.

L In sub-divisions retail prices of salt per rupee were:—Kurigram 12 seers, Nilphamari 16 seers.

M In Serajgunge retail price of salt 13 seers per rupee.

N At Siliaguri retail price of salt 11½ seers per rupee.

O At Fallacotta in Alipore sub-division retail price of salt 10 seers per rupee.

P In sub-divisions retail prices of salt per rupee were:—Manickgunge 11 seers, Moonshigunge 10½ seers.

Q In sub-divisions retail prices of salt per rupee were:—Goalundo 12 seers and Madaripore 12½ seers.

R In sub-divisions retail prices of salt per rupee were:—Pataakhali 10½ seers, Perozepore 11 seers, and Bhola 10½ seers.

S In sub-divisions retail prices of salt per rupee were:—Kishoregunge 10 seers 10½ chittacks, Attea 12 seers, Jamalpore 13½ seers, Sherpore 10 seers, and Netrokuna 12½ seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in th

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU. (Sorghum Vulgare.)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
Eastern Districts.—Concluded.																
22	Chittagong ...	16 0	16 0	16 0	...	...	...	13 0	13 0	13 0	16 0	16 0	16 0	...	...	...
23	Nonkholly ...	...	...	...	...	...	...	13 0	14 0	16 0	16 0	16 0	18 0	...	...	...
24	Tipperah ...	13 5	13 5	15 3	...	...	...	16 0	13 5	15 11	17 0	17 14	16 4	...	...	...
25	Chittagong Hill Tracts. Hill Tipperah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		12 0	12 0	12 0	...	...	...	12 0	13 0	13 0	16 0	16 0	19 0	...	...	...
BEHAR.																
26	Patna ...	20 0	21 0	21 0	28 0	28 0	32 0	11 8	11 8	10 8	17 0	17 0	21 0	26 0	26 0	...
27	Gya ...	18 8	18 0	19 8	27 0	26 0	24 0	9 0	9 0	9 0	16 8	16 0	12 8	20 0	20 0	...
28	Shahabad ...	19 0	18 0	19 0	28 0	27 0	25 0	8 0	8 0	9 0	16 0	16 0	13 8	...	24 0	29 0
29	Darbhanga ...	16 0	16 0	16 8	28 0	28 0	22 0	10 8	11 0	9 14	17 0	17 8	12 2	...	...	...
30	Muzaffarpore ...	19 0	16 0	19 0	32 0	30 0	27 0	12 0	13 0	12 0	16 0	16 0	14 0	...	...	...
31	Saran ...	18 8	17 0	19 0	28 0	28 0	27 0	8 8	8 4	8 8	19 0	18 0	17 0	...	...	29 0
32	Clumparun ...	18 0	18 0	17 0	25 0	26 0	30 0	10 0	10 8	11 0	14 0	13 8	14 0	...	...	...
33	Monghyr ...	23 1	23 1	21 0	33 8	31 8	27 5	13 10	11 9	10 8	16 4	16 12	13 9	24 2	24 2	...
34	Bhagulpore ...	20 3	21 7	19 9	30 5	30 5	26 8	15 2	15 2	12 0	17 10	17 10	13 14	...	...	...
35	Purneah ...	20 0	18 0	18 0	...	...	...	19 0	19 0	16 0	21 0	20 0	16 0	...	...	...
36	Maldah ...	23 0	21 0	21 0	...	...	...	10 0	10 0	11 0	22 0	22 0	16 4	...	...	...
37	Sonthal Parg.	17 0	15 0	16 0	...	...	...	16 0	16 0	12 0	23 0	23 0	16 0	...	...	...
ORISSA.																
38	Cuttack ...	17 1	15 12	21 0	...	...	...	10 8	10 8	13 2	17 0*	15 12	17 1	...	...	...
39	Pooree ...	14 7	15 12	17 1	...	...	...	15 12	15 12	13 2	21 0	21 0	21 0	...	...	...
40	Balasore ...	20 0	20 0	18 0	11 0	11 0	11 0	15 0	15 0	14 0	25 0	24 0	7 0	...	...	...
CHOTA NAGPORE South-Western Frontier Agency.																
41	Hazareebagh ...	17 0	18 0	15 0	20 0	24 0	16 0	10 0	10 0	10 0	19 0	19 0	14 8	...	...	...
42	Lohardugga ...	20 0	20 0	16 0	24 0	22 0	22 0	18 0	19 0	14 0	20 0	22 0	18 0	...	...	...
43	Singbhoom ...	24 0	24 0	20 0	32 0	24 0	20 0	24 0	24 0	20 0	28 0	28 0	24 0	...	...	...
44	Manbhoom ...	18 6	15 0	17 0	32 0	32 0	20 0	16 0	16 0	14 0	27 0	27 0	19 0	...	...	...

* In the interior retail prices of common rice ranged from 18½ to 23½ seers per rupee.

T In Feeny (at Panchgachia haut) retail price of salt 10 seers per rupee.

U In sub-divisions retail prices of salt per rupee were:—Brahmunberah 12½ seers, and Chandpore 12 seers.

V In sub-divisions retail prices of salt per rupee were:—Buxar and Sasseram 12 seers, and Bhabuah 11 seers.

W In sub-divisions retail prices of salt per rupee were:—Madhubani 11 seers and Taipore 11½ seers.

W1 In sub-divisions retail prices of salt per rupee were:—Sitamarhee 11 seers and Hajepore 12½ seers.

X In Sewan retail price of salt 12 seers per rupee.

Y In Bettiah retail price of salt 11½ seers per rupee.

Z In sub-divisions retail prices of salt per rupee were:—Beguseral 11 seers, and Jamui 11½ seers.

<p>MAIRA OR CUMBU. <i>Pennisetum typho- ideum.</i></p>	<p>MAHUA OR RAGI. <i>(Eleusine Corocana.)</i></p>
--	--

Present return.	
Next preceding return	
Corresponding return of last year.	
Present return.	
Next preceding return.	
Corresponding return of last year.	

Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch.

0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0
90	0.0	0.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0	0.0

[illegible][illegible]

at 10½ seers per rupee.
 at 12 seers per rupee.

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KANGNI OR KAKUN ITALIAN MILLET. (<i>Setaria italica</i>)			GRAM, CHHOLA, KADU OR SUNAGH (<i>Cicer aristicum</i>)		
--	--	--	---	--	--

Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.
-----------------	------------------------	------------------------------------	-----------------	------------------------

S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	13 0	14 8 14
...	12 8	12 8 14
...	16 0	16 0 14
...
...	12 0	12 0 14

...	...	...	27 0	27 0 24
16 0	16 0	...	22 8	20 0 20
...	...	...	25 0	22 0 21
18 0	18 0	...	20 0	20 0 21
...	...	...	21 0	21 0 20
15 0	15 8	...	24 0	20 0 20
...	...	...	18 0	18 0 20
21 0	21 0	...	26 4	27 14 24
...	...	...	25 4	25 4 22
...	...	...	20 0	20 0 17
...	...	...	30 0	30 0 25
...	...	...	21 0	21 0 18

...	...	...	19 11	19 11 19
...	...	...	15 12	15 12 18
...	...	...	15 0	15 0 15

...	...	...	17 0	18 0 17
...	...	...	18 0	20 0 16
...	...	...	16 0	20 0 16
...	...	...	18 0	20 0 19

7466

W In sub-divisions retail prices of salt per rupee were:—Simarhee 11 seers and Hajepore 12 seers.
X In Sewan retail price of salt 12 seers per rupee.
Y In Bettiah retail price of salt 11½ seers per rupee.
Z In sub-divisions retail prices of salt per rupee were:—Begusrai 11 seers and Jamui 11½ seers.

CALCUTTA,
The 20th April 1886.

Districts of Bengal during the Fortnight ending the 15th April 1886—(Concluded.)

															WHOLESALE PRICES PER MAUND OF 40 SEERS.			DISTRICTS.														
INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR CADJAN PEA. (Cajanus indicus)			FIREWOOD.			SALT.			SALT.																				
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.																		
Eastern Districts.—Concluded.																																
£.	Ch.	S.	Ch.	S.	Ch.	£.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.						
...	...	...	...	9	0	9	0	9	0	100	0	100	0	120	0	11	0	12	0	13	0	3	8	0	3	2	0	3	0	0	Chittagong.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11	0	11	0	10	0	3	4	0	3	4	0	3	6	0	Noakholly.		
...	...	...	...	10	0	10	0	...	...	...	...	...	...	...	12	0	12	0	12	8	3	3	0	3	3	0	3	2	0	Tipperah.		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tracts.		
...	...	...	...	16	0	16	0	...	...	...	...	...	...	...	11	0	11	0	11	0	3	4	0	3	4	0	3	4	0	Hill Tipperah.		
BEHAR.																																
22	0	22	0	30	0	27	0	27	0	...	120	0	120	0	100	0	11	8	11	8	12	0	3	1	6	3	1	6	3	0	0	Patna.
...	...	...	...	23	0	23	0	...	...	...	200	0	200	0	200	0	11	0	11	0	11	0	3	5	0	3	5	0	3	5	0	Gya.
...	23	0	24	0	19	0	16	0	...	...	120	0	160	0	120	0	12	8	12	8	13	0	3	2	0	3	2	0	3	1	0	Shahabad.
20	0	20	7	23	10	20	0	20	0	...	160	0	160	0	152	0	11	8	11	8	12	0	3	4	0	3	4	0	3	0	6	Durbhunga.
30	0	27	0	27	0	23	0	23	0	...	140	0	140	0	140	0	12	0	12	0	12	0	3	4	0	3	4	0	3	4	0	Mozufferpore.
26	0	27	8	29	0	23	0	24	0	...	160	0	160	0	160	0	13	0	12	0	11	0	3	1	6	3	1	6	3	3	6	Saran.
28	0	30	0	28	0	...	...	...	...	...	...	...	...	...	...	...	12	4	12	0	11	12	...	3	2	0	3	4	0	...	Chumparan.	
26	4	26	4	26	4	23	1	21	0	...	126	0	126	0	126	0	13	2	13	2	13	9	2	14	6	2	14	6	2	14	6	Monghyr.
25	4	21	7	24	0	20	3	20	13	...	164	0	176	12	151	8	12	10	12	10	12	10	3	3	2	2	15	0	3	0	0	Bhagulpore.
...	...	...	...	20	0	17	0	...	...	...	128	0	160	0	160	0	11	0	11	0	10	0	3	10	0	3	7	0	3	1	0	Purneah.
...	...	...	...	...	...	...	...	...	...	...	160	0	160	0	160	0	11	8	12	0	11	0	3	5	0	3	4	0	3	8	3	Malda.
28	0	26	0	25	0	24	0	24	0	...	200	0	200	0	200	0	12	8	12	8	11	4	3	2	0	3	2	0	3	7	0	Sonthal Pergas.
ORISSA.																																
...	...	...	...	...	...	...	...	...	...	...	80	0	80	0	80	0	14	0	14	0	14	0	2	12	0	2	12	0	2	12	0	Cuttack.
...	...	...	...	18	6	17	1	...	...	...	80	0	80	0	90	0	14	7	14	7	16	0	2	10	0	2	10	0	2	7	0	Pooree.
...	...	...	...	14	0	14	0	...	...	...	160	0	160	0	130	0	10	8	10	8	9	0	3	6	0	3	8	0	4	0	0	Balasore.
CHOTA NAGPORE. South-Western Frontier Agency.																																
24	0	22	0	20	0	19	0	19	0	...	240	0	240	0	320	0	10	0	10	0	10	0	3	8	0	3	8	0	3	10	0	Hazareebagh.
20	0	20	0	16	0	20	0	20	0	...	120	0	120	0	120	0	10	8	10	8	11	0	3	8	0	3	8	0	3	4	0	Lohardugga.
...	...	...	...	21	0	21	0	...	...	...	360	0	360	0	160	0	9	0	9	0	10	0	4	0	0	4	0	0	3	10	0	Singbhoom.
...	...	...	...	20	0	20	0	...	...	...	240	0	240	0	240	0	11	10	11	10	10	10	3	4	0	3	4	0	3	8	0	Maubhoom.

Z1 In sub-divisions retail prices of salt per rupee were:—Banka 12 seers, Mudehpura and Soopole 11 seers.
 Z2 In sub-divisions retail prices of salt per rupee were:—Kishengunge 10 seers and Arrareah (at Ranigunge) 12 seers.
 Z3 In sub-divisions retail prices of salt per rupee were:—Deoghur and Jamtara 13 seers, Godda 11 seers, and Pakour 12 seers.
 Z4 In Khoorda retail price of salt 14 seers per rupee.
 Z5 In Bhadruck retail price of salt 8½ seers per rupee.
 Z6 Retail price of salt at Kharagdiha 12 seers per rupee.
 Z7 At Daltongunge retail price of salt 10½ seers per rupee.
 Z8 In Govindpore retail price of salt 12 seers per rupee.

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PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARKETS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 7 0	2 10 0	2 6 0	1 10 0	2 0 0	1 15 0	5 4 0	5 8 0	4 12 0	4 0 0	4 4 0	3 8 0
2	Serajgunge ...	2 4 0	2 0 0	2 12 0	...	...	...	4 12 0	4 2 0	4 8 0	1 14 0	2 0 0	2 7 0
3	Dacca ...	2 4 0	2 8 0	1 14 0	1 8 0	1 6 0	1 4 0	2 12 0	2 12 0	2 8 0	2 8 0	2 4 0	2 4 0
4	Naraingunge ...	...	...	...	...	...	...	...	...	...	...	...	...
5	Chittagong ...	2 6 0	2 6 0	2 8 0	...	...	...	2 14 0	2 14 0	3 0 0	2 6 0	2 7 0	2 8 0
6	Patna ...	1 14 6	1 13 0	1 13 0	1 5 3	1 5 3	1 3 0	3 0 0	3 0 0	3 5 0	2 2 0	2 2 0	1 13 0
7	Balasore ...	1 15 0	1 15 0	2 0 0	3 2 0	3 2 0	3 2 0	2 8 0	2 8 0	2 12 0	1 8 0	1 9 0	1 6 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	1 14 0	1 14 0	1 14 0
9	Cuttack ...	2 2 0	2 5 0	1 11 0	...	...	...	3 10 0	3 10 0	3 0 0	2 2 0	2 5 0	2 2 0

CALCUTTA,
The 20th April 1886.

PRICES PER MAUND

OR (HOLUM. Vulgare.)		BAJRA OR CUMBU. (Pennisetum typhoi- deum.)		
Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.
R.A.F.	R.A.F.	R.A.P.	R.A.P.	R.A.P.
...	3 4 0	3 0 0	3 0 0	2 8 0
...
...
...
...
6 0 1 6 0	...	1 6 0	1 6 0	...
...
...
...

748a

OF 40 SEERS.

MARUA OR RAGI.
(*Eleusine Corocana*.)

KANGNI OR
IT-LIAN M.
(*Setaria* sp.)

Present return	Next preceding return	Corresponding return of '18 year.	Present return	Next preceding return
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
...	2 4 0	2 4 0
...
...
...
...
...
1 6 0	1 6 0	...	...	...
...
...
...

Unmentioned Marts of Bengal during the Fortnight ending the 15th April 1886.

AM, CHANA, CHHOLA, DALAY OR SUNAGA. (Cicer Aristinum.)			INDIAN-CORN OR MAIZE. (Zea Mays)			ARHAR OR THUR CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
5 0 0	2 0 0	2 0 0	2 0 0	2 0 0	3 4 0	2 5 0	2 0 0	...	0 6 3	0 6 0	0 6 3	2 12 0	2 12 0	2 12 0	Calcutta.
0 0 0	2 6 0	2 5 0	...	...	...	...	...	...	...	...	...	2 8 0	2 8 0	3 0 6	Serjunge.
4 0 0	2 8 0	2 8 0	...	...	...	...	...	...	0 5 0	0 5 0	0 8 0	3 2 0	3 2 0	3 0 0	Dacca.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Naraingunge.
4 0 0	2 12 0	2 12 0	...	...	...	4 0 0	4 0 0	4 0 0	0 6 0	0 6 0	0 4 0	3 8 0	3 2 0	3 0 0	Chittagong.
0 9 1	6 9 1	10 0 1	11 6 1	11 6 1	1 4 0	1 6 0	1 6 0	...	0 4 6	0 4 6	0 5 0	3 1 6	3 1 6	3 0 0	Patna.
0 0 0	2 9 0	2 8 0	2 12 0	2 12 0	...	0 3 6	0 3 6	0 4 0	3 8 0	3 8 0	4 0 0	Balasore.
...	2 10 0	2 10 0	2 7 0	Poorce.
0 0 0	2 0 0	2 1 0	0 8 0	0 8 0	0 8 0	2 12 0	2 12 0	2 12 0	Cuttack.

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Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.													
			DISTRICT.	Representative station.	AIR PRESSURE.			WIND.		TEMPERATURE.						
					Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.
ORIGINAL.	Pooree	Gopalpor	29.743	29.793	—	SSW	442	85.7	13th April	75.8	15th April	83.4	77.6	80.5	—	
		False Point	29.745	29.766	—0.09	SSW	315	89.0	13th "	78.2	14, 15, 16 April.	87.8	79.0	83.4	—1.3	
	Cuttack	Cuttack	29.680	29.700	—0.074	SSW	127	114.4	15th "	76.8	10th 16th April.	104.8	77.4	91.1	+0.8	
	Balasore	Balasore	29.686	29.744	—	SSW	164.3	103.4	12th, 15th April.	67.8	10th "	99.9	75.4	87.7	—	
	South-West Midnapore	Saugor Island	29.710	29.736	—0.118	SSW	402	90.2	12th, 13th, 16th April.	80.0	10, 11, 16 April.	89.6	80.5	85.1	+0.5	
	South 24 Pargunnahs...	Midnapore	29.576	29.723	—	S	129.3	109.3	15th "	75.3	10th, 11th April.	106.4	76.4	91.4	—	
	24 Pargunnahs	Calcutta	29.701	29.721	—0.121	SSW	192	103.5	15th "	74.2	16th "	98.1	76.4	87.3	+1.5	
	Howrah	Howrah	29.637	29.735	—0.088	WNW	89.6	106.7	15th "	71.4	16th "	102.4	75.4	88.9	+0.4	
	Bankoora	Bankoora*	29.404	—	—	NW	93	108.1	15th "	74.1	11th "	104.8	76.2	90.5	—	
	Beerbhoom	Raneegunge	29.392	—	—	WNW	108.6	107.3	15th "	74.1	11th "	104.3	76.2	90.3	—	
SOUTH-WEST BENGAL.	West Burdwan	Burdwan	29.654	29.720	—0.089	SW	101.8	103.7	15th, 16th April.	67.7	12th "	99.1	75.0	87.1	—1.3	
	Moorshedabad	Krishnagore	29.666	—	—	SSE	111.3	104.7	15th "	71.8	10th "	99.0	74.9	87.0	—	
	Naddea	Jessore	29.703	29.736	—0.094	S	131.9	103.2	16th "	71.9	10th "	96.2	76.8	86.5	—0.6	
	Jessore	Jessore	29.703	29.736	—0.094	S	131.9	103.2	16th "	71.9	10th "	96.2	76.8	86.5	—0.6	
	Rhoona	Chittagong	29.736	29.825	—0.060	SSE	206	86.1	15th, 16th April.	75.5	10th "	85.0	74.9	80.0	—1.7	
	Chittagong	Chittagong	29.736	29.825	—0.060	SSE	206	86.1	15th, 16th April.	75.5	10th "	85.0	74.9	80.0	—1.7	
	Chittagong Hill Tracts...	Demagiri	—	—	—	—	Observations not received.							—		
	Backergunge	Barrisal	29.750	29.762	—	S	200.7	93.3	16th April	74.9	10th "	89.4	77.2	83.3	—	
	Noakholly	Noakholly	29.742	29.786	—	S	?	87.5	16th "	68.3	10th "	86.1	77.1	81.6	—	
	Furreedpore	Furreedpore	29.701	—	—	S	208.3	101.7	16th "	68.9	10th "	93.1	74.3	83.7	—	
EAST BENGAL.	Dacca	Dacca	29.723	29.745	—0.085	SSE	219	92.8	16th "	73.1	10th "	89.9	75.9	82.9	—1.4	
	Tipperah	Commillah	29.734	29.770	—	SE	95.0	89.4	16th "	70.3	16th "	87.7	76.2	82.0	—	
	Mymensingh	Mymensingh	29.645	—	—	ESE	172.4	94.3	16th "	69.1	12th, 15th April.	88.4	71.0	79.7	—	
	Bogra	Bogra	29.644	—	—	ESE	?	103.0	16th "	70.2	16th "	94.9	74.0	84.5	—	
	Bogra and Pubna	Serajgunge	29.712	29.759	—	SE	154.4*	99.3	16th "	70.9	16th "	91.7	73.8	82.8	—	
	Rajshahye	Rampore	29.646	29.715	—	SE	73.1	102.4	15th, 16th April.	69.7	10th "	98.1	72.9	85.5	—	
	Maldah	Maldah	29.519	—	—	SE	721	100.0	15th "	69.5	15th "	93.7	73.2	83.5	—	
	Dinapore	Dinapore	29.690	29.721	—	SW	164	104.6	16th "	65.6	10th "	96.2	71.7	84.0	—	
	Rungpore	Rungpore	29.590	29.715	—	E	149	99.4	16th "	65.4	10th "	92.9	70.1	81.5	—	
	Julpigoree	Julpigoree	29.415	29.703	—	E	125.4	100.9	15th "	62.9	16th "	91.5	67.4	79.5	—	
CENTRAL BENGAL.	Cooch Behar	Cooch Behar	29.415	29.703	—	E	125.4	100.9	15th "	62.9	16th "	91.5	67.4	79.5	—	
	Darjeeling Hill Districts	Darjeeling	22.894	—	—	WSW	316.8	66.3	15th "	45.4	10th "	61.0	49.2	55.1	—	
	Purneah	Purneah	29.677	29.701	—0.098	Calm	31.4	105.2	15th "	?	—	99.5	?	?	?	
	North Bhagulpore	North Bhagulpore	29.677	29.701	—0.098	Calm	31.4	105.2	15th "	?	—	99.5	?	?	?	
	Mozufferpore	Mozufferpore	—	—	—	—	Observations not taken.							—		
	Durbhunga	Durbhunga	29.534	29.700	—0.096	ESE	?	102.2	15th April	69.0	10th April	97.2	72.2	84.7	+0.6	
	Chumpra	Motihari	29.467	29.633	—	SSW	210.2	103.5	15th "	69.3	16th "	98.6	66.2	82.2	—	
	Saran	Chupra	29.508	—	—	WSW	296.0	104.0	15th "	70.0	10th "	99.5	71.8	85.6	—	
	Denree	Denree	29.369	29.714	—	W	238.9	104.5	12th "	65.0	10th, 16th April.	99.8	72.0	85.0	—	
	Shahabad	Buxar	29.461	29.698	—	WNW	162.8	103.9	12th "	70.8	13th "	100.8	73.6	87.2	—	
SOUTH BENGAL.	Arrah	Arrah	29.486	29.680	—	W	133.5	104.9	15 h "	69.5	16th "	101.8	71.6	86.7	—	
	Gya	Gya	29.323	29.633	—0.127	W, Calm	96.4	105.8	12th "	70.6	10th "	103.1	72.7	87.9	—1.6	
	Patna	Bankipore	29.528	29.708	—0.099	W, WNW	78.6	104.9	15 h "	69.2	10th "	101.1	73.0	87.1	—0.1	
	South Bhagulpore	Bhagulpore	29.521	29.682	—	W	66	99.9	16th "	72.0	11th, 13th April.	96.8	73.6	85.1	—	
	Monghyr	Monghyr	—	—	—	—	Observations not taken.							—		
	South Pargunnahs	Doomka	29.204	—	—	WNW	105.2	103.2	15th "	73.6	10th, 16th April.	101.2	76.0	88.6	—	
	Hazaribagh	Hazaribagh	27.754	29.707	—0.078	NW	227.6	102.3	12th "	69.2	10th "	99.4	72.8	86.1	+1.6	
	Lehardugka	Ranchee	27.634	29.637	—	NW	237.9	102.1	12th "	68.5	10th "	99.3	72.1	85.8	—	
	Manbloom	Manbloom	—	—	—	—	Observations not taken.							—		
	Singbhoom	Chyebama	28.654	—	—	Westerly	63.6	108.1	12th "	72.4	16th "	105.8	75.7	90.7	—	

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical averages of means of the readings during the year. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 100. The normal means of rainfall are the numerical means or averages of the rainfall in that district determined from the returns sent in by the sub-divisions of the district (i.e., from the total rainfall at the sub-divisional stations in the district sending in returns divided by the number of stations. A * Mean for six days.

DISTRICT OBSERVATIONS.													Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.										Average number of rainy days.	Normal number of rainy days.				
Of week.		Since 1st of Month.			Since 15th May 1885.										
Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.								
30	Nil	—	—	—	—	—	—	—	—	—	—	Gopalpore ...	Pooree ...	ORISSA.	
34	Nil	Nil	0.20	0.01	0.05	-0.04	45.52	59.32	-15.80	0.0	0.5	False Point ...	...	
09	Nil	Nil	0.26	Nil	0.55	-0.55	46.54	56.40	-9.95	0.0	0.4	Cuttack ...	Cuttack ...		
0	Nil	Nil	0.33	0.08	0.71	-0.63	52.42	57.94	-4.62	0.0	0.8	Balasore ...	Balasore ...	SOUTH-WEST BENGAL.	
34	Nil	Nil	0.23	Nil	0.45	-0.45	73.59	65.78	+7.81	0.0	0.4	Saugor Island ...	South-West Midnapore ...		
06	Nil	Nil	0.21	Nil	0.48	-0.48	77.66	53.03	+24.63	0.0	0.5	Midnapore ...	Midnapore ...		
24	Nil	0.06	0.28	0.17	0.71	-0.54	63.94	54.74	+9.20	0.1	0.7	Calcutta ...	24-Pergunnahs ...	SOUTH-WEST BENGAL.	
04	Nil	Nil	0.44	Nil	0.84	-0.84	55.09	49.14	+5.95	0.0	0.6	Burdwan ...	Howrah ...		
0	Nil	Nil	0.09	Nil	0.24	-0.24	70.54	51.61	+18.93	0.0	0.3	Bankoora ...	Hooghly ...		
0	Nil	Nil	0.26	Nil	0.51	-0.51	62.99	52.91	+10.08	0.0	0.5	Raneesgunge ...	Bankoora ...	SOUTH-WEST BENGAL.	
14	0.29	0.20	0.39	0.20	0.72	-0.52	53.09	51.09	+2.00	1.0	0.5	Berhampore ...	Beerbhoom ...		
30	0.18	0.07	0.56	0.07	1.27	-0.30	61.10	52.51	+8.59	0.8	0.6	Krishnaghur ...	West Burdwan ...		
13	Nil	0.42	0.69	0.06	1.29	-0.33	63.10	57.79	+5.31	0.5	0.9	Jessore ...	Nudda ...	SOUTH-WEST BENGAL.	
74	0.02	Nil	0.52	0.59	0.90	-0.31	141.66	115.77	+25.89	0.0	0.9	Chittagong ...	Jessore ...		
64	Nil	0.01	0.68	1.07	1.12	-0.05	89.31	81.79	+7.52	0.2	1.3	Demagiri ...	Khoolna ...		
80	6.66	3.31	0.85	7.56	1.56	+6.00	111.63	115.10	-3.47	1.0	1.6	Noakholly ...	Chittagong Hill Tracts ...	EAST BENGAL.	
57	0.01	0.22	0.74	0.54	1.50	-0.96	66.27	60.77	+6.10	1.0	1.2	Furreedpore ...	Backergunge ...		
59	1.50	0.88	0.58	4.95	1.67	+3.28	69.99	65.59	+4.40	2.7	1.4	Dacca ...	Noakholly ...		
60	0.37	1.34	0.99	5.00	1.98	+3.02	80.36	77.96	+2.40	2.5	1.5	Commillah ...	Furreedpore ...	EAST BENGAL.	
74	0.08	0.54	0.46	2.18	1.33	+0.85	69.97	68.63	+1.34	1.8	0.9	Mymensingh ...	Dacca ...		
40	Nil	0.28	0.19	0.59	0.54	+0.05	55.56	58.83	-3.27	0.3	0.5	Bogra ...	Tipperah ...		
09	0.28	0.30	0.42	0.69	1.16	-0.47	64.50	56.52	+7.98	1.5	0.9	Serajgunge ...	Mymensingh ...	NORTH BENGAL.	
14	0.10	0.08	0.24	0.08	0.64	-0.56	57.89	54.06	+3.23	0.7	0.5	Rampore Beaulah ...	Bogra and Pubna ...		
04	Nil	—	—	—	—	—	—	—	—	—	—	Maldah ...	Rajshahye ...		
13	Nil	Nil	0.09	Nil	0.24	-0.24	59.00	56.34	+2.66	0.0	0.2	Dinapore ...	Maldah ...	NORTH BENGAL.	
07	Nil	0.41	0.46	1.07	1.08	-1.01	70.57	76.85	-6.28	1.0	0.9	Rungpore ...	Dinapore ...		
13	0.29	0.23	0.61	0.33	1.52	-1.19	108.05	115.15	-7.10</						

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater. The number denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head "District observations" the period in question during the past 12 years. The means of the "district" are the numerical averages of the rainfall return for each of at least hundredth of an inch fell.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 16th of April 1886.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May. 1885.	Average rainfall from 15th May 1885 to date.
			Saturday, 10th April.	Sunday, 11th April.	Monday, 12th April.	Tuesday, 13th April.	Wednesday, 14th April.	Thursday, 15th April.	Friday, 16th April.	Number of rainy days.	of Rainfall week.				
ORTISSA	Pooree	Pooree	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.21	50.24	50.24
		Khurdah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.03	0.36	45.82	45.82
		Banpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.37	53.81	53.81
		False Point	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.64	44.24	44.24	70.11
		Hookitola	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Gop	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Pipih	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
	Cuttack	Jagatsingapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.29	43.39	55.21
		Banki	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.24	48.94	48.94	55.21
		Cuttack	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.60	44.73	59.10
		Kendrapara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.43	51.36	59.10
		Jaspore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.88	43.70	50.71
		Dharmasalla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.26	?	?	?
	Balasore	Salipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Chandbali	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.58	43.21	47.91
		Bhuddruck	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.02	55.46	57.48
		Soran	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.49	0.65	49.45	44.44
		Balasore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.14	58.46	61.21
		Jeliasore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.55	35.19	46.41
	South-West BENGAL.	Baripodah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.31	?	?
		Midnapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.41	73.02	48.01
		Contai	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	86.50	69.51
		Saugor Island	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.34	70.73	57.71
		Tumlook	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.39	72.21	57.71
		Midnapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.71	90.03	64.01
		Ghatatal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Devog	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Heria	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Bhagwanpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Garbeta	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
	24-Pargannas	Diamond Har- bour.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.07	0.71	61.35	61.35
		Canning Town	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Alipore Jail	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.75	62.49	50.49	50.49
		Barrackpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.72	62.17	50.17	50.17
		Dum-Dum	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.04	0.76	64.21	50.21
		Baraset	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.65	58.19	43.19
	Howrah	Kuseerhat	0.61	Nil	Nil	Nil	Nil	Nil	Nil	1	0.61	1.63	0.33	61.29	37.29
		Howrah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.08	53.76	33.76
		Mohesreka (Ooloberia.)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.50	68.50	34.50
		Serampore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.76	60.75	37.75
		Hooghly	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.78	63.55	36.55
		Jehanabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.60	84.66	37.66
	Culina	Culina	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.84	58.87	46.87
	Burdwan	Burdwan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.84	51.07	39.07
		Cutwa	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.83	55.41	35.41
	Mankur	Mankur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
		Raneegunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.38	73.61	40.61
	Bankoora	Bankoora	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.54	67.93	32.93
		Bishenpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.28	74.10	40.10
		Maliara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.06	63.27	33.27
		Khatra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.06	76.93	36.93
		Indas	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	67.43	37.43
		Kota-pore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	76.09	36.09
		Anda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	59.03	29.03
		Gangajalghati	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	61.77	31.77
		Raipore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
	Sonamukhi	Sonamukhi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	66.25	31.25
SOUTH-WEST BENGAL.	Beerbhoom	Bh. Soory	0.01	Nil	Nil	Nil	Nil	Nil	Nil	1	0.01	0.01	0.35	53.60	23.60
		Hetampore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.45	57.65	27.65
		Rampore Haut	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.85	66.42	31.42
	Bolpore	Bolpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?
	Nuddes	Ranaghat	3.40	Nil	Nil	Nil	Nil	Nil	Nil	1	3.40	3.40	1.27	64.49	31.49
		Kishnaghat	0.17	Nil	Nil	Nil	Nil	Nil	Nil	1	0.17	0.17	1.24	55.94	25.94
		Chooadanga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.19	63.05	30.05
		Meherpore	1.02	Nil	Nil	Nil	Nil	Nil	Nil	1	1.02	1.02	1.29	59.21	29.21
		Kooshtea	0.28	Nil	Nil	Nil	Nil	Nil	Nil	1	0.28	0.28	1.37	62.83	32.83
	Khoo	Satkira	1.13	Nil	Nil	Nil	Nil	Nil	Nil	1	1.13	2.76	1.09	76.23	33.23
		Bagirhat	0.31	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.97	1.37	?	?
		Khooia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1	0.31	0.72	1.08	?	?
	Jessore	Narail	0.12	Nil	Nil	Nil	Nil	Nil	Nil	1	0.12	0.18	1.22	45.13	25.13
		Jessore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.25	1.51	67.54	32.54
		Jhenidah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.56	55.70	25.70
		Magoorah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.42	63.68	30.68
	Bongong	Bongong	1.80	Nil	Nil	Nil	Nil	Nil	Nil	1	1.80	1.80	1.10	66.56	31.56
	Moorsheadabad	Kandi	0.15	Nil	Nil	Nil	Nil	Nil	Nil	1	0.15	0.15	0.85	55.29	25.29
		Berhampore	0.29	Nil	Nil	Nil	Nil	Nil	Nil	1	0.29	0.49	0.82	51.43	26.43
		Lalbagh	0.18	Nil	Nil	Nil	Nil	Nil	Nil	1	0.18	0.18	0.34	54.43	24.43
		Azimkunge	0.15	Nil	Nil	Nil	Nil	Nil	Nil	1	0.15	0.15	0.78	53.55	23.55
		Jungipore	0.28	Nil	Nil	Nil	Nil	Nil	Nil	1	0.28	0.28	0.76	47.55	22.55
	Lalgolah	Lalgolah	0.13	Nil	Nil	Nil	Nil	Nil	Nil	1	0.13	0.13	0.58	?	?
EAST BENGAL	Chittagong	Cox's Bazar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.96	0.64	176.56	73.56
		Chittagong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.23	1.17	106.73	43.73
		Kutubdia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
		Satkanya	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	?	?
	Chittagong Hill Tracts.	Kankamati	0.25	0.12	0.26	Nil	Nil	Nil	Nil	3	0.63	2.91	1.51	71.50	28.50
		Ruma	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.93	?	?
		Agartola	1.32	1.00	0.65	Nil	Nil	Nil	Nil	3	3.57	5.97	1.73	71.08	28.08
	Backergunge	Patuakhali	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.75	108.29	43.29
		Perozepore	0.05	Nil	Nil	Nil	Nil	Nil	Nil	1	0.05	0.85	0.95	73.39	28.39
		Burrisal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.68	85.54	34.54
		Bhoia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.68	1.18	90.16	35.16

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 16th of April 1886—contd.

District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1885.	Average rainfall from 15th May 1885 to date.
		Saturday, 10th April.	Sunday, 11th April.	Monday, 12th April.	Tuesday, 13th April.	Wednesday, 14th April.	Thursday, 15th April.	Friday, 16th April.	Number of rainy days.	of Rainfall week.				
BENGAL	Gournaddi	.....	.....	.....	.....	.....	.....	.....
	Baughal	.....	.....	.....	.....	.....	.....	.....
	Noakholly	.....	.....	.....	.....	.....	.....	.....	1	6.46	9.44	1.36	114.92	115.79
	Fenny	0.16	.....	.....	.....	.....	.....	.....	1	0.16	5.78	1.73	108.42	114.33
	Harisporo (Sondip).	.....	.....	.....	.....	.....	.....	.....
	Ramganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.05	?	?	?
	Maaripore	.....	0.30	.....	.....	.....	.....	.....	1	0.30	1.22	1.52	63.13	61.35
	Furzedpore	.....	.....	0.15	.....	.....	.....	.....	1	0.15	0.19	1.60	68.48	63.61
	Goalundo	.....	.....	0.22	.....	.....	.....	.....	1	0.22	0.22	1.36	69.01	67.98
	Dacca	.....	.....	.....	.....	.....	.....	.....
BENGAL	Munshigunge	0.06	0.06	.....	.....	.....	.....	.....	2	0.12	5.16	2.05	68.75	77.35
	Dacca	0.12	0.15	0.48	.....	.....	0.94	.....	4	1.69	6.29	1.75	65.62	64.38
	Narainkunge	0.20	0.04	.....	.....	.....	0.23	.....	3	0.47	4.24	?	73.83	?
	Manickkunge	0.04	.....	0.30	.....	.....	.....	.....	2	0.34	3.47	1.22	75.61	53.54
	Joydebpore	.....	.....	.....	.....	0.08	0.14	.....	2	0.22	2.44	?	?	?
	Tipperah	.....	.....	.....	.....	.....	.....	.....
	Comilla	0.17	0.05	0.05	.....	.....	.....	.....	3	0.27	5.25	2.44	93.90	82.59
	Chandpore	0.05	.....	.....	.....	.....	.....	.....	1	0.05	2.95	1.86	83.60	87.73
	Brahmunberia	0.33	0.12	.....	1.00	.....	.....	.....	3	1.45	6.10	1.89	72.22	70.85
	Ramchandra-pore.	1.10	0.10	.....	.....	.....	.....	.....	
BENGAL	Nasirnagar.	.....	1.74	.....	.....	.....	.....	.....	
	Daudkandi	0.52	.....	.....	.....	.....	.....	.....
	Kasba	1.58	0.40	.....	.....	.....	.....	.....	2	1.98	5.13	?	?	?
	Laksham	.....	.....	.....	.....	.....	.....	.....
	Mymensingh.	.....	.....	.....	.....	.....	.....	.....
	Kishoregunge	.....	0.53	.....	.....	.....	.....	.....	1	0.53	2.98	1.86	73.20	76.14
	Atia (Tangail)	.....	.....	.....	0.21	.....	.....	.....	1	0.21	2.90	0.96	64.57	59.68
	Mymensingh	.....	0.01	0.32	.....	0.44	.....	.....	3	0.77	1.83	1.40	75.01	79.25
	Jamulpore	.....	.....	0.61	.....	0.03	.....	.....	2	0.64	1.02	1.07	67.92	69.34
	Netrokona	.....	.....	.....	0.24	.....	0.35	.....	2	0.59	1.52	?	71.79	?
BENGAL	Subornakhally	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.55	?	?	?
	Durgapore	.....	0.50	.....	.....	0.50	.....	.....	2	1.00	2.00	?	?	?
	Decanganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.78	?	?	?
	Pubna	.....	.....	.....	.....	.....	.....	.....
	Seraingunge	.....	0.19	.....	.....	0.07	.....	.....	1	0.19	0.19	1.36	68.37	57.57
	Bogra	.....	.....	0.33	.....	.....	.....	.....	2	0.40	1.20	0.97	60.02	55.43
	Sherpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.42	0.48	51.96	62.18
	Nowshilla	.....	1.11	.....	.....	.....	.....	.....	1	1.11	1.55	0.38	55.70	55.75
	Bogra	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.37	0.97	56.35	62.74
	Panchbibi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.32	67.93	54.39
BENGAL	Naishahye	.....	.....	.....	.....	.....	.....	.....
	Beaulah	.....	0.09	.....	.....	.....	.....	.....	1	0.09	0.09	0.59	49.74	54.79
	Natore	.....	0.14	.....	.....	.....	.....	.....	1	0.14	0.14	0.91	62.61	57.11
	Nowgong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	60.03	?
	Lalporo	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Manda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Maldah	.....	.....	.....	.....	.....	.....	.....
	Maldah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.44	61.28	61.73
	Chanchal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	39.49	?
	Gajol	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
BENGAL	Sibganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Dinagopore	.....	.....	.....	.....	.....	.....	.....
	Mohadebpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.13	63.59	57.00
	Churamon	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	Nil	58.88	50.62
	Raigunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.27	55.48	54.72
	Dinagopore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.55	67.99	63.44
	Baloorkhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	56.16	?
	Rungpore	.....	.....	.....	.....	.....	.....	.....
	Bhawanigunge (Gyabanda).	.....	0.21	.....	.....	.....	.....	.....	1	0.21	1.38	0.83	60.92	64.81
	Rungpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.56	0.96	73.15	77.31
BENGAL	Kurigram	.....	0.38	0.87	.....	0.18	.....	.....	3	1.43	2.35	1.65	80.07	76.74
	Bagdogra	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.91	68.11	58.56
	(Nulphamari.)	.....	.....	.....	.....	.....	.....	.....
	Ulipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.65	?	?	?
	Julpigoree	.....	.....	.....	.....	.....	.....	.....
	Alipore Doar	.....	.....	0.31	.....	.....	.....	.....	1	0.31	0.31	1.56	118.71	119.14
	Pallacatta	.....	.....	0.60	.....	.....	.....	.....	1	0.60	0.60	?	?	?
	Dinabatta	.....	.....	0.26	.....	.....	.....	.....	1	0.26	0.26	?	?	?
	Cooch Behar.	.....	0.71	1.53	.....	0.05	.....	.....	3	2.29	1.06	1.06	96.92	100.23
	Mickligunge	.....	.....	0.56	.....	.....	.....	.....	1	0.56	0.56	2.61	122.33	122.32
BENGAL	Matabhanga	.....	.....	0.50	.....	.....	.....	.....	Nil	Nil	N	0.98	100.47	108.88
	Darjeeling Hill.	.....	.....	.....	.....	.....	.....	.....	1	0.50	0.50	1.34	104.03	124.10
	Buza	.....	0.82	0.09	.....	.....	.....	.....	2	0.91	0.91	3.66	175.36	200.96
	Siliguri	0.08	.....	0.18	.....	.....	.....	.....	2	0.26	0.26	?	91.33	?
	Darjeeling	.....	0.57	.....	.....	.....	.....	.....	1	0.57	0.57	1.86	126.68	112.70
	Purneah	.....	.....	.....	.....	.....	.....	.....
	Kalimpong	.....	0.06	.....	0.03	.....	.....	.....	2	0.09	0.16	?	89.39	?
	Kissengunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.37	57.50	69.04
	Arrareah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.64	53.66	65.13
	Purneah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.48	53.39	61.56
BENGAL	Gondwara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Balarampore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
BENGAL	North Bhagupore.	.....	.....	.....	.....	.....	.....	.....
	Madnapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.24	42.12	50.15
	Sooopool	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.22	41.30	48.46
	Protabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Durbhunga	.....	.....	.....	.....	.....	.....	.....
	Tajpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.17	52.88	41.45
	Durbhunga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.25	56.49	44.59
	Madhubani	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.33	43.49	44.83
	Bahera	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Koshera	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
BENGAL	Mosufferpore	.....	.....	.....	.....	.....	.....	.....
	Sitamari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.41	54.11	41.36
	Mosufferpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.24	41.39	45.64
	Hajipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.09	38.91	42.45
	Paru	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Mahua	.....											

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 16th April 1886—concluded

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1885.	As far as received.
			Saturday, 10th April.	Sunday, 11th April.	Monday, 12th April.	Tuesday, 13th April.	Wednesday, 14th April.	Thursday, 15th April.	Friday, 16th April.	Number of rainy days.	Rainfall week.				
NORTH BEHAR—continued.	Saran	Gopalgunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	32.93	
		Sewan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.09	47.60	
SOUTH BEHAR	Shahabad	Chuprah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.15	48.57	
		Buxar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.12	44.99	
		Dohree	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	47.98	
		Bhuboah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.06	40.85	
		Sasseram	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.10	39.77	
		Arran	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.16	47.77	
		Mohania	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
	Gya	Aurungabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.09	58.52	
		Gya	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.09	52.10	
		Nowadah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.05	44.55	
		Jenarond	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.11	47.99	
		Arwal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Jaudnagar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Sherphati	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Rajauli	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Pakri Barawan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
	Patna	Patna	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.11	44.80	
		Dinapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.17	43.95	
		Behar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.09	49.88	
		Bara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.06	39.75	
	Monehyr	Begoeseri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.09	47.70	
		Monehyr	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.17	40.18	
		Jamui	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.12	48.39	
		Gogri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Sheikpura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
	South Bhagulpore.	Bhagulpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.43	58.28	
		Banks	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.21	47.01	
		Koigong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
	Sonthal Pergunnahs.	Rajmenai	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.44	65.96	
		Godda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.19	48.82	
		Pakour	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.13	55.96	
		Nya Dooka	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.33	61.68	
		Deognur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.28	73.74	
		Jamunara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.07	60.37	
		Simra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Nanhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
CHUTIA NAGPUR.	Hazaribagh	Pachamba	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.13	76.95	
		(Gurdi).	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Hazaribagh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.21	60.29	
		Semakuran	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.02	60.74	
		Manudi Hills	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.05	49.91	
		Jhoomrah Hills	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	81.69	
		Barhi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Chatra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Karagdeha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Kamghar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
	Lohardugga	Lohardugga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	50.27	
		Kanchi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.39	54.90	
		Paharow	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.21	55.46	
		Silli	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Batumat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Hosseinaud	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Garwah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
	Singbhoon	Chyetassa	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.36	54.90	
		Chakradhar-pore.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Ghatsilla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Baharagura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
	Mandbhoon	Purulia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.39	57.27	
		Godinapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.23	46.97	
		Raghunath-pore.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Barrabhoon	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Jhalda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	
		Uhas	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	

Explanation.—1. Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 19th April 1886.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 16TH OF
APRIL 1886.**

THE weather conditions over the province during the past week have been almost normal for the period. Hot dry westerly and north-westerly winds have been blowing at the western and north-western stations; fairly strong south-westerly winds have prevailed at the south-western stations; south-easterly and southerly winds have been blowing at the south-eastern stations, and more or less easterly winds in North and North-East Bengal. Temperature has therefore been high and humidity low at the majority of the western stations, while over the south-eastern and eastern districts temperature has been lower, and the south-easterly winds have brought up considerable amounts of moisture, and by the inter-action of these moist currents with the opposing dry wind currents, a considerable number of local storms have been formed in South-East Bengal, which have given comparatively frequent rain. A few local storms have also been reported in the districts of North Bengal close to the hills, produced apparently by similar causes. In these districts therefore temperature has been comparatively low. With the exception of these districts the greater part of the province has been rainless for the week, but on the first day or two some few local storms were reported from the Moorshedabad, Jessore, Khoolna and Nuddea districts of South-West Bengal, which gave fairly general rain over this area.

The variations of pressure during the week have been particularly large. On Saturday the 10th there was a very rapid fall, in several cases considerably exceeding a tenth of an inch. This was followed by a further fall on the 11th, which nearly equalled a tenth of an inch at some stations. For the next two days a recovery set in, which was followed by a further fall on the 14th, and succeeded by a rather rapid increase of pressure at the close of the week. For the whole week the mean pressure over the province has been largely below the average, the defect being no less than 0.093" below the normal. This defect is pretty evenly distributed, and in most districts pressure is not much less than a tenth of an inch below the normal.

Temperature—Has risen very considerably during the week, the rise being particularly rapid at its commencement, when in a single day temperature increased generally as much as 3°. In the previous week temperature had been on the average between 4° and 5° below the normal, but this defect has been considerably more than compensated in the majority of districts, and the only districts in which temperature is in defect are East Bengal, where the defect is 1.6°, and in South Behar, where it is 0.9°. The mean temperature for the week has been nearly normal in Orissa, South-West Bengal and North Behar, while it has been 1.6° in excess in Chutia Nagpur. For the whole province the mean temperature has been practically normal. Some particularly high maximum temperatures have been reported during the week. The highest temperature recorded, if it can be accepted as trustworthy, is 114.4° on the 15th at Cuttack. On the same day Midnapore reported 109.3°, Bankoorah 108.1°, Raneegunge 107.3°, and Burdwan 106.7°. The highest temperature at Calcutta on the same day was 103.5°.

Humidity has also been low at most of the western stations during the week, and the dryness of the air was such that at Midnapore at 10 A.M. on the 16th the amount of saturation was only 7 per cent. of the possible quantity. This represents a most excessive dryness of the atmosphere, and it may be well compared with the aridity of almost any part of Upper India.

Rainfall has been fairly frequent and general in East Bengal, and the average amount recorded is 0.90 inch as against the normal amount of 0.71 inch. In North Bengal the districts in and near the hills have received general rain, but other districts have been practically rainless: for the whole of this division the rainfall has averaged 0.33 inch as against a normal fall of 0.34 inch. The South-West Bengal, Nuddea, Khoolna, Jessore and Moorshedabad districts received rain on the first one or two days of the week, but the other districts have been practically rainless. For the whole of this division the rainfall has averaged 0.22 inch against the normal 0.38 inch. The remaining four divisions, Orissa, Chutia Nagpore, and North and South Behar, have been entirely rainless for the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 16th of April 1886 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.								RAINFALL.							
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1885.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	114.4	67.8	94.0	77.4	85.7	-0.3	Nil	0.27	-0.27	0.0	0.6	-0.6	0.04	0.64	48.47	57.53
South-West Bengal	109.3	67.7	100.0	76.4	88.2	+0.1	0.22	0.38	-0.16	0.3	0.6	-0.3	0.34	0.78	63.52	54.41
East Bengal	101.7	68.3	88.5	75.2	81.9	-1.6	0.90	0.71	+0.19	1.7	1.2	+0.5	3.10	1.48	85.01	80.89
North Bengal	104.6	62.9	94.1	71.9	83.0	-	0.33	0.34	-0.01	0.7	0.7	0	0.54	0.88	71.95	73.66
North Benar	105.2	60.3*	98.3*	70.1*	84.2*	+0.6*	Nil	0.17	-0.17	0.0	0.3	-0.3	Nil	0.28	48.39	48.35
South Benar	105.8	65.0	100.7	73.2	86.9	-0.9	Nil	0.09	-0.09	0.0	0.3	-0.3	Nil	0.17	50.00	43.29
Chutia Nagpur	102.3†	68.5†	99.4†	72.5†	85.9†	+1.6†	Nil	0.10	-0.10	0.0	0.4	-0.4	Nil	0.19	59.61	49.95

* Purneah not included.
† Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;

ALEXANDER PEDLER,

The 20th April 1886.

Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 11th to 17th April 1886.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1886.		°	°	°	°	°	Inches.	°	%	Inches.
April	11th	86.2	94.9	15.9	79.0	80.2	.951	77.7	76	Nil.
"	12th	87.8	101.0	23.2	77.8	77.7	.815	73.1	62	"
"	13th	85.5	100.0	21.0	79.0	80.0	.951	77.7	78	"
"	14th	88.2	103.0	25.0	78.0	76.8	.769	71.4	57	"
"	15th	86.6	102.8	23.8	74.0	73.9	.667	67.2	53	"
"	16th	86.9	101.0	24.4	76.6	72.4	.602	64.2	47	"
"	17th	86.5	101.0	25.0	76.0	76.7	.788	72.1	62	"

The mean temperature of the seven days ... 86.8
The extreme variation of temperature ... 29.0
The maximum temperature ... 103.0

The mean relative humidity ... 62%

The total fall of rain from 11th to 17th April 1886 ... Nil

The mean temperature and humidity are obtained by applying to the mean of the 10th, 16th and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

A. PEDLER,

Calcutta, the 19th April 1886.

For Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 11th to 17th April 1886.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1886		°		Inches.	°	°		°	°	Inches	°	%			Inches.	
April	11th	149.5	10.8	29.587	85.6	92.9	15.2	77.7	79.3	0.911	76.4	75	SSW and SSE ...	255	Nil	Partially cloudy.
"	12th	152.7	10.0	.626	86.9	101.3	24.9	76.4	78.2	.852	74.4	70	S and WSW ...	139	"	Partially cloudy.
"	13th	152.9	7.9	.656	86.1	100.7	22.5	78.2	79.8	.934	77.2	76	SSW and S ...	171	"	Chiefly cloudy.
"	14th	157.6	9.6	.608	88.0	103.5	26.5	77.0	77.1	.789	72.1	64	SSW and W by S ...	209	"	Chiefly cloudy.
"	15th	156.5	9.3	.642	87.6	102.3	28.2	74.1	73.7	.658	66.8	53	WNW and SSW ...	166	"	Chiefly clear.
"	16th	154.0	10.2	.719	86.9	101.0	25.8	75.2	74.4	.689	68.1	59	SW by S and WNW	115	"	Clear, ☁.
"	17th	156.3	10.1	.749	86.1	100.3	25.8	74.5	76.9	.804	72.6	68	SW and SSW ...	173	"	Clear, ☁.

The mean pressure of the seven days	...	...	...	Inches.	29.655
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	29.746
The total number of hours of bright sunshine	...	...	...	Hours.	67.9
The maximum possible number of hours of sunshine	...	...	...	...	88.2
The mean temperature of the seven days	...	...	...	°	86.7
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	84.9
The extreme variation of temperature	...	...	...	...	29.4
The maximum temperature	...	...	...	...	103.5
The highest velocity of the wind in one hour	...	...	...	Miles.	13
The highest pressure of wind on one square foot	...	...	...	lbs.	Not measurable.
The mean relative humidity	...	...	...	%	66
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	69
The total fall of rain from 11th to 17th April 1886	...	...	...	Inches.	Nil
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	0.22
The total fall from 1st January to 17th April 1886	...	...	...	...	3.63
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	3.55

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph. The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 8^e, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground, ☁ dew.

A. PEDLER,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE,
Calcutta, the 19th April 1886.

MEMORANDUM.

THE returns from the principal Municipalities in Bengal for the week ending 3rd April 1886 yield the following results:—

1. That the birth and death rates in these Municipalities stood at 19.9 and 22.1 per 1,000 of population respectively, as opposed to 19.5 and 24.0 per 1,000 respectively, in the preceding week ending 27th March, indicating a falling off in death registration.

2. That the highest birth and death rates were returned by the following Municipalities:—

<i>Births.</i>			<i>Deaths.</i>		
		Ratio per mille.			Ratio per mille.
Bhagulpore	...	38.0	Comillah	...	61.6
Krishnaghur	...	34.1	Gya	...	45.0
Chupra	...	33.2	Puri	...	42.0
Naraingunj	...	33.1	Naraingunj	...	33.1
Chittagong	...	32.9			
Beaulah	...	31.5			

3. That the mortality from the specific death causes stood as follows in comparison with the similar information for the preceding week:—

		Ratio per mille during the weeks ending—	
		3rd April 1886.	27th March 1886.
Cholera	...	2.9	3.2
Small-pox	...	...	...
Fever	...	8.4	10.7
Bowel-complaints	...	3.7	3.6
Injury	...	4	4
Other causes	...	6.7	5.9

The above figures indicate that while the mortality from fever had diminished sensibly and small-pox furnished no deaths, there occurred no noticeable differences in fatality from the other death-causes.

4. That eliminating small-pox, from which no death was reported, fever and bowel-complaints, which proved noticeably severe only in Mozufferpore and Naraingunge, viz., at the rates of 20.7 and 16.6 per 1,000 of population, respectively, and injury, the casualties from which were nowhere above normal, cholera and "other causes" proved most fatal in the following Municipalities:—

<i>Cholera.</i>			<i>Other causes.</i>		
		Ratio per mille.			Ratio per mille.
Comillah	...	46.2	Bhagulpore	...	17.2
Puri	...	12.6	Gya	...	14.3
Hughli	...	9.4	Puri	...	12.6
Howrah	...	7.4			
Gya	...	7.4			
Suburbs of Calcutta	...	3.5			

5. That the mortality in relation to *Sex, Class and Age* stands as follows:—

<i>According to Sex.</i>		<i>According to Class.</i>		<i>According to Age.</i>	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	24.2	Christians	21.7	Under 1 year	190.4
Females	19.7	Hindus	22.6	1 year and under 5 years	30.3
Ratio of male deaths to every 100 female deaths	139	Mahomedans	21.1	5 " " 10 "	8.7
		Budhists	24.2	10 " " 15 "	9.0
				15 " " 20 "	12.0
				20 " " 30 "	13.0
				30 " " 40 "	16.6
				40 " " 50 "	16.9
				50 " " 60 "	23.5
				60 years and upwards	55.6

The 19th April 1886.

R. LIDDDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

POPULATION.										BIRTHS.										DISEASE.										Sex.		Ratio of male deaths to every 100 female deaths.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NAMES OF MUNICIPALITIES.					NUMBER OF —					RATIO PER 1,000 OF POPULATION PER ANNUM.					Ratio of male births to every 100 female births.					RATIO PER 1,000 OF POPULATION PER ANNUM.										DEATHS.			RATIO PER 1,000 OF POPULATION PER ANNUM.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
					Males.		Females.		Total.		Males.		Females.		Total.							All causes.					Other diseases.						Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					Injury.					Bowel-complaints.					Fevers.					Cholera.					Small-pox.					In				

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "Age," the ratios under which have been omitted, inasmuch as the census of the Europeans, above alluded to, cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

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CIRCULAR AND EASTERN CANALS.

Approximate Return of the Traffic on the Circular and Eastern Canals for the week ending Saturday, the 17th of April 1886.

Number of boats.	Nature of cargo.					Weight of cargo.	Tollage.
						Mds.	Rs.
184	Rice and paddy	...	...	...	...	55,623	1,014
4	Jute	...	...	...	...	3,300	68
103	Firewood	...	...	...	...	56,950	815
547	Other articles	...	...	...	...	1,42,085	2,171
838	Total					2,57,958	4,068

**Statement of Fluctuation of Goods Traffic on the Northern Bengal State Railway
for the month of February 1886.**

*Abstract of the principal commodities carried over the line during the month of February 1886, as
compared with the same month of the previous year.*

STAPLES.	1885.		1886.		Total in 1885.	Total in 1886.	Increase.	Decrease.
	Up.	Down.	Up.	Down.				
	Tons.	* Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Ale	26'45	.....	27'18	.....	26'45	27'18	73	.....
Food-grain	811'75	1,599'95	449'30	13,581'22	2,411'70	14,030'52	11,618'82	.....
Ginger	.....	11'21	.....	55'88	10'21	55'88	45'67	.....
Gunny-bags	38'72	390'55	102'93	232'88	429'27	335'81	.....	93'46
Jute	.....	2,357'58	28	5,612'45	2,357'58	5,612'73	3,255'15	.....
Miscellaneous	2,791'18	589'05	2,388'42	614'04	3,380'23	3,002'46	.....	377'77
Piece-goods	459'58	1'06	837'36	1'46	460'64	838'82	378'18	.....
Railway material	2,226'63	440'41	2,235'09	114'15	2,667'04	2,349'24	.....	317'80
Salt	1,953'06	1'83	1,900'80	144'03	1,955'79	2,044'85	89'06	.....
Sugar	85'01	29	110'94	15'17	85'30	126'11	40'81	.....
Seed	72'63	729'86	69'34	21'72	802'49	88'06	.....	714'43
Tea	.....	27'44	.....	54'86	27'44	34'86	7'42	.....
Tobacco	7'71	487'14	35'29	596'14	494'85	631'43	136'58	.....
Total	8,473'02	6,635'37	8,153'03	21,024'02	15,108'99	29,177'95	.....	.....

GENERAL REMARKS AND EXPLANATIONS.

DURING the month under review 29,177'95 tons of merchandise passed over the line against 15,108'99 carried during the corresponding period of 1885, which gives a net increase of 93'11 per cent. The increase, as will be seen from the comparative statement given above, is general under all heads of traffic excepting gunny-bags, miscellaneous, railway material and seed.

INCREASES.

Ale 73 tons.
The increase under this head is very trifling.
Food-grain 11,618'82 tons.
This satisfactory result is due to a large downwards traffic in rice and paddy.
Ginger 45'67 tons.
There has been a continued steady increase in this commodity due to a good crop and fair demand for export.
Jute 3,255'15 tons.
The weight carried of this staple stands at 5,612'73 tons against 2,357'58 carried during February 1885, the result showing a net increase of 138 per cent. which is satisfactory in the face of a falling market.
Piece-goods 378'18 tons.
Increase due to a good demand in the local markets to replenish stocks for the spring.
Salt 89'06 tons.
The result of the month's working shows an increase under this head of 4 per cent. compared with the corresponding period of 1885.
Sugar 40'81 tons.
Since October last there has been a steady increase under this head, and a reaction will probably set in shortly.
Tea 7'42 tons.
The increase is satisfactory when it is borne in mind that this is the end of the season. During the month prices for mediums showed a slight decline, all other grades went without change and were well competed for.
Tobacco 136'58 tons.
The increase is expected owing to the falling off in the preceding three months.

DECREASES.

Gunny-bags 93'46 tons.
The traffic under this head shows a falling off of 27 per cent. compared with the corresponding period of 1885.
Miscellaneous 377'77 tons.
There has been a steady increase in this traffic for some months past, which will account for the present falling off.
Railway material 317'80 tons.
The traffic under this head shows a falling off of 2 per cent. compared with the corresponding period of 1885.
Seed 714'43 tons.
Decrease mainly due to smaller quantities of mustard-seed having been despatched from Atrai and Sultanpur than in February 1885.

TRAFFIC SUPPL.'S OFFICE, SAIDPUR, the 1st April 1886.

C. J. KEENE, Traffic Superintendent.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 10th April 1886 on 1,515 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
for the week ...	242,054	2,99,599 13 0	29,14,274 10	7,05,728 5 6	18,779 5 5	10,24,167 7 5	66,513½	115,445	181,958½
of railway ...	.....	197 12 1	.....	465 13 3	12 6 4	675 15 8	.....	.....	.....
ous 13 weeks of half-year ...	3,081,517	37,04,349 15 0	3,61,79,364 0	87,64,227 12 9	2,92,377 4 2	1,27,60,954 15 11	894,151½	1,478,273½	2,372,425½
Total for 14 weeks ...	3,323,571	40,03,949 12 0	3,90,93,638 10	94,69,956 1 9	3,11,156 9 7	1,37,85,062 7 4	960,645½	1,593,718½	2,554,363½
COMPARISON.									
for corresponding week of previous year ...	211,756½	2,58,723 15 4	28,25,425 10	6,81,896 15 9	22,174 1 2	9,62,795 9 3	66,727	125,362	192,089
of railway corresponding week of previous year ...	.....	171 6 4	.....	451 11 10	14 11 0	637 13 2	.....	.....	.....
Total to corresponding date of previous year ...	3,483,817	43,30,940 5 8	3,58,87,472 10	89,20,008 11 5	2,71,894 7 5	1,35,31,843 8 6	989,787	1,546,932	2,536,719

The increase in coaching traffic is partly due to the running of a special for the Bigum of Bhopal and partly to return traffic in connection with Baronee bathing festival.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 11TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.			
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
1884	9,62,795	638	1,515	10,24,107	676	1,509½	15,47,081	1,025	1,515	14,59,238	963	.....	57,793

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 10th April 1886 on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
for the week ...	16,782	9,625 5 0	81,952 10	6,257 6 0	49 8 0	15,082 3 0	1,639	755	2,394
per mile of railway ...	293	168 4 5	1,432 20	109 6 4	0 13 10	278 8 7	.....	.....	.....
ous 13 weeks of half-year ...	159,130	86,640 3 0	6,33,807 0	54,440 7 6	766 10 6	1,31,847 4 6	24,450	9,819	34,269
Total for 14 weeks ...	175,912	96,265 8 0	7,15,759 10	59,677 13 0	816 2 6	1,47,779 7 6	26,089	10,574	36,663
COMPARISON.									
for corresponding week of previous year ...	12,695	6,598 4 5	66,072 10	4,905 13 0	75 11 3	11,489 12 8	1,530	864	2,394
of railway corresponding week of previous year ...	222	115 12 6	1,153 10	85 12 6	1 5 2	200 13 11	.....	.....	.....
Total to corresponding date of year ...	197,647½	1,11,736 0 1	8,24,183 20	53,120 11 0	1,004 2 9	1,63,846 13 10	24,350	13,243	37,593

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 11TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			Total increase in 1886.	Total decrease in 1886.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.			
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
11,490	201	57½	15,933	279	57½	19,033	333	57½	22,228	389	3 195	.....	.....

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 10th April 1886 on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,202	549 10 0	10,027 20	453 6 0	31 10 0	1,025 10 0	356½	137	
Or per mile of railway ...	.....	45 0 10	.....	37 12 6	2 10 2	85 7 6	.....	.....	.....
For previous 13 weeks of half-year ...	32,871	5,581 10 0	5,90,961 0	6,610 5 0	321 4 0	12,513 3 0	2,518½	3,641	
Total for 14 weeks ...	36,073	6,122 4 0	6,00,988 20	7,063 11 0	352 14 0	13,538 13 0	2,875	3,778	
COMPARISON.									
Total for corresponding week of previous year ...	2,197½	375 14 9	16,143 0	412 1 0	63 10 3	851 10 0	164	165	
Per mile of railway corresponding week of previous year ...	.....	31 5 3	.....	34 5 5	5 4 10	70 15 6	.....	.....	.....
Total to corresponding date of previous year ...	34,857	5,991 12 10	2,34,905 10	7,059 12 0	703 4 6	13,754 13 4	2,506	2,264	

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 11TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			Total increase in 1886.	Total decrease 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
13	852	71	12	1,025	85	12	1,542	129	12	1,444	120	.....	98

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 10th April 1886 on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,801	3,975 3 0	68,536 0	2,935 7 0	86 12 0	6,997 6 0	595½	1,413½	
Or per mile of railway ...	.....	53 2 4	.....	39 3 11	1 2 6	93 8 9	.....	.....	.....
For previous 13 weeks of half-year ...	75,941	65,624 9 0	11,29,098 10	46,739 8 6	1,418 9 9	1,13,782 11 3	17,963	14,511½	
Total for 14 weeks ...	80,742	69,599 12 0	11,97,634 10	49,674 15 6	1,505 5 9	1,20,780 1 3	18,558½	15,925	
COMPARISON.									
Total for corresponding week of previous year ...	4,752½	4,396 9 6	79,841 10	4,039 1 0	87 1 0	8,512 11 6	1,245	1,433	
Per mile of railway corresponding week of previous year ...	.....	58 14 1	.....	54 3 6	1 2 8	114 4 3	.....	.....	.....
Total to corresponding date of previous year ...	88,913½	75,593 0 11	13,39,851 20	63,799 3 3	2,169 8 6	1,41,561 12 8	14,862	18,815	

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 11TH MARCH 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			Total increase in 1886.	Total decrease 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74½	8,513	114	74½	6,997	94	74½	13,467	181	74½	10,407	139	.....	3,060

TARKESWAR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 10th April 1886 on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
For the week ...	23,684	6,800 11 0	12,074 10	137 11 0	7 0 0	7,145 6 0	918	50	968
Of railway ...	.....	296 10 7	.....	24 2 8	0 5 0	321 2 3	.....	.....	.....
Previous 13 weeks of half-year ...	265,720	71,169 14 0	1,74,832 20	6,022 1 0	69 5 5	77,261 4 5	12,787	2,761	15,548
Total for 14 weeks ...	289,404	77,770 9 0	1,86,906 30	6,559 12 0	76 5 5	84,406 10 5	13,705	2,811	16,516
COMPARISON.									
Corresponding week of previous year ...	20,766	5,997 6 1	10,659 20	387 10 0	6 12 9	6,391 12 10	1,062	82	1,144
Of railway corresponding date of previous year ...	.....	272 9 9	.....	17 9 11	0 4 11	290 8 7	.....	.....	.....
Corresponding date of year ...	312,771	84,428 13 11	3,16,389 20	6,424 13 0	105 11 0	90,959 5 11	15,311	6,253	21,564

Approximate Statement of gross receipts of the Tarkeswar Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 10TH APRIL 1885.		RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.		TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 11TH APRIL 1885.		TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.		Total increase in 1886.		Total decrease in 1886.	
Receipts.	Per mile worked.	Receipts.	Per mile worked.	Total receipts.	Per mile worked.	Total receipts.	Per mile worked.				
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
6,392	291	7,145	321	11,148	507	9,958	448	.....	.....	.....	1,190

EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 3rd April 1886 on 234 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated). Including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
For the week ...	121,527	44,071 0 0	3,02,118 0	34,324 0 0	4,781 0 0	83,176 0 0	10,747	7,727	18,474
Of railway ...	519	188 0 0	1,291 0	147 0 0	.....	335 0 0	.....	.....	.....
Previous 13 weeks of half-year ...	1,142,111	4,77,730 0 0	52,04,654 0	6,03,597 0 0	53,603 0 0	11,34,950 0 0†	131,844	129,875	254,719
Total for 13 weeks ...	1,263,638	5,21,821 0 0	55,06,772 0	6,37,921 0 0	58,384 0 0	12,18,126 0 0	142,591	130,602	273,193
COMPARISON.									
Corresponding week of previous year (audited) ...	14,516*	1,01,175 0 0*	2,20,123 0	29,718 0 0	7,417 0 0	1,38,310 0 0	12,130	11,165	23,295
Of railway corresponding date of previous year ...	629	434 0 0	945 0	128 0 0	.....	562 0 0	.....	.....	.....
Corresponding date of year ...	1,391,173	6,75,157 0 0	40,54,575 0	5,39,093 0 0	3,94,715 0 0	15,98,997 0 0	158,495	121,323	279,818

* Increase is due to Chooramoni Joge bathing festival.
† Audited up to week ending 30th January 1886.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 3RD APRIL 1885.		RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.		TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 4TH APRIL 1885.		TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 3RD APRIL 1886.		Total increase in 1885-86.		Total decrease in 1885-86.	
Receipts.	Per mile worked.	Receipts.	Per mile worked.	Total receipts.	Per mile worked.	Total receipts.	Per mile worked.				
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
138,310	594	224	83,176	355	233	58,392,45	25,147	234	45,83,927*	19,539	12,73,318

* Audited up to week ending 30th January 1886.
(a) Includes Rs. 59,276 for last 3 days of March 1885.
(b) Includes .. 47,528 for last 4 days of March 1886.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 3rd April 1886 on 126 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES.	
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
Total traffic for the week ...	29,935	9,179 0 0	46,620 0	1,926 0 0	28 0 0	11,133 0 0	3,319	1,940
Or per mile of railway ...	237	73 0 0	370 0	15 0 0	.....	88 0 0	.....	.....
For previous 12 weeks of half-year ...	288,475	1,03,854 0 0	4,44,438 0	23,955 0 0	305 0 0	1,28,114 0 0†	39,058	22,260
Total for 13 weeks ...	318,408	1,13,033 0 0	4,91,058 0	25,881 0 0	333 0 0	1,39,247 0 0	42,357	24,219
COMPARISON.								
Total for corresponding week of previous year (audited) ...	34,987*	21,287 0 0*	20,210 0	1,530 0 0	49 0 0	22,866 0 0	4,342	1,900
Per mile of railway corresponding period of previous year ...	278	169 0 0	160 0	12 0 0	.....	181 0 0	.....	.....
Total to corresponding date of previous year ...	315,052	1,26,498 0 0	3,33,820 0	23,425 0 0	457 0 0	1,50,380 0 0	55,173	13,602

* Audited up to week ending 30th January 1886.

† Increase is due to Chooramoni Joge bathing festival.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 4TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1884 TO 4TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 3RD APRIL 1886.			Total increase in 1885-86.	Total in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs. (a)	Rs.		Rs. (b)	Rs.	Rs.	
126	22,866	181	126	11,133	88	125	5,35,911	4,287	126	5,07,284*	4,264	1,373	

* Audited up to week ending 30th January 1886.

(a) Includes Rs. 9,801 for last 3 days of March 1885.

(b) " " 6,360 for last 4 days of March 1886.

To be attached to the Opium Resolution published at pages 767 to 772 of the Supplement to the Calcutta Gazette of the 28th April 1886.

ERRATA.

The 12th June 1886.—In the Opium Resolution published at page 767, et seq., of the Supplement to the Calcutta Gazette, dated 28th April 1886—

Paragraph 3,	line	9,	for "24,139" read "24,189."
"	3	"	12, for "14,722" read "7,206."
"	3	"	17, for "78,002" read "10,964."
"	6	"	2, for "last paragraph" read "paragraph 3."
"	6	"	2, for "1,333,803" read "1,33,803."
"	6	"	8, for "4 seers 15½" read "5 seers 2¼."
"	8	"	3, for "26,733" read "26,753."

P. NOLAN,
Offg. Secy. to the Govt. of Bengal.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 28, 1886.

OFFICIAL PAPERS.

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RESOLUTION ON THE REPORT ON THE ADMINISTRATION OF THE OPIUM DEPARTMENT DURING THE YEAR 1884-85.

REVENUE DEPARTMENT—MIS. REVENUE.

Calcutta, the 22nd April 1886.

RESOLUTION.

READ—

A letter from the Officiating Secretary to the Board of Revenue, No. 101B, dated 6th February 1886, submitting the Reports of the Opium Agents of Behar and Benares for the year 1884-85.

THE Annual Reports forwarded by the Opium Agents of Behar and Benares are dated, respectively, the 21st and the 30th November 1885, while the Board's covering letter, due on the 1st of February 1886, was not received till the 15th of that month.

2. Although the general character of the season is not noticed in the Report of the Opium Agent of Behar, it is known that the year was one of deficient rainfall in all the districts included in his Agency, except Chumparan. It is mentioned that blight, caused by damp east winds with cloudy days in February, did harm to the poppy crop on the north of the Ganges, more particularly in the Aliganj Division. Blight appeared, too, in some places in the South Ganges districts, but did not spread, and is said to have

been invariably checked by a west wind. In the Benares Agency the season was favourable. The abundant rainfall of the monsoon was followed by fine weather in November and December, and then by heavy showers in January, which did much good to the later sowings and brought the crop fast to maturity. Unseasonably heavy rain in March caused some anxiety, but beyond reducing the consistence of the drug with a large admixture of *pasewa* caused no injury to the outturn.

3. The Opium Department made engagements for cultivation during the year with 25,263 *khattadars* and 665,353 cultivators in the Behar Agency, with 30,194 *lumbardars* and 713,973 cultivators in Benares, thus giving employment of a remunerative nature to 1,434,783 persons.

The areas of the land engaged for, of that sown with poppy-seed, and of that actually cultivated with the outturns in each Agency during the last five years, are compared in the following statement:—

SEASON.		Area engaged for.	Land sown for cultivation.	Net cultivation.	Produce at 70 ^c consistence.
BEHAR.		Bighas.	Bighas.	Bighas.	Mds. s. c.
1880-81	...	465,094	458,894	434,794	49,292 6 6½
1881-82	...	477,619	475,459	460,382	49,440 4 1
1882-83	...	463,827	466,772	394,232	27,073 34 5½
1883-84	...	446,988	419,259	390,518	59,560 15 4
1884-85	...	442,526	445,627	433,201	55,802 7 8½
Increase of 1884-85 over 1883-84		...	26,368	33,683	...
Decrease „ below „		4,662	...	...	3,758 7 11½
BENARES.					
1880-81	...	481,882	432,113	423,285	45,475 37 0½
1881-82	...	450,474	398,478	389,659	51,449 7 2
1882-83	...	428,541	412,624	398,952	42,213 5 10½
1883-84	...	431,367	414,927	409,831	67,037 12 9½
1884-85	...	460,218	475,195	471,232	78,001 28 2½
Increase of 1884-85 over 1883-84		28,851	60,268	61,401	10,964 15 9½

Taking the results obtained in two Agencies together, and comparing them with those of the previous year, there was an increase of 24,139 bighas in the area engaged for, of 86,636 bighas in the land sown, of 95,084 in the net cultivation or the area on which the seed germinated, and of 14,722 maunds in the produce. The net cultivation, and the produce were larger than those of any previous year. The exceptional success of the season's operations must be mainly attributed to the Benares Agency, where there was an increase of 28,851 bighas in the area engaged for, of 60,268 bighas in the land sown, of 61,401 in the net cultivation, and of 78,002 maunds in the produce. The Agent states that the outturn of the opium during the previous year had been far above the average, and the large payments which the cultivators had received for the very high consistence of the opium delivered placed the prices of sugarcane and cereals at a disadvantage. When the settlements commenced the ryots came flocking to the opium centres in large numbers, and showed every desire to extend the cultivation. As the area actually cultivated had, during the past few years, fallen below that engaged for, great caution was exercised in making advances, and some disappointment was caused, as all applications for increase were not complied with in full. But the area sown proved to be 14,977 bighas in excess of that for which settlements were made, leaving no doubt as to the popularity which the excellent outturn of the year 1883-84 had secured for the cultivation.

4. In Behar there has been an increase of 26 368 bighas in the land cultivated, accompanied by a slight falling off of 4,642 bighas in that for which engagements were made. As stated by the Board of Revenue in their report for the year 1883-84, cultivators occasionally get advances for poor and barren land without any hope, and probably without any intention, of obtaining a crop. More attention has been paid in recent years to the restriction of this practice, and, under the circumstances, the popularity of the cultivation, and the extent to which it can be carried, must be judged not by the area settled, but by that actually sown. The area cultivated has increased in every division of the Behar Agency except Hajee pore.

5. Upon this important subject Mr. Kemble, the Behar Agent, observes:—

"It appears to me that, in the three thickly-populated districts of Tirhoot, Hajipore, and Chupra, the introduction of new staples and the rise in prices due to improved means of communication and other causes have tended to make the cultivation of poppy less sought after every year. It held its ground for many years owing to the advances given under the *khattadari* system. With the spread of education and the introduction of railways the *khattadar* as village banker is losing his influence. Potatoes and other garden produce find a ready market where large profits can be made."

As noticed by the Opium Commission, complaints of the prospects of the Opium Department being injuriously affected by the competition of other agricultural industries have been frequently made by the Behar Agent. The Commission arrived at the conclusion that the only crops which seriously competed with poppy were potatoes, sugarcane, and tobacco, of which the two latter were less profitable than opium, while potatoes commanded only a small market; so that there was really no cause for alarm. The figures of the season under report certainly offer no support to the statement that in the three thickly populated districts of Tirhoot, Hajepore, and Chupra the cultivation of the poppy is less sought after every year, as it appears that 60,227 bighas were cultivated with poppy in these districts during 1884-85 against 58,487 bighas in 1883-84, showing an actual increase of 1,740 bighas. There was a decrease in Hajepore, but as it was local and exceptional, it cannot be accounted for by causes of general application.

6. The total produce of the year 1884-85 in the two Agencies, as shewn in the statement in the last paragraph, amounted to 1,333,803 maunds of opium at 70° consistence, which appears to be the largest outturn ever obtained in any year. The outturn of the Behar Agency was somewhat less than that of the preceding year, but in the Benares Agency the produce greatly exceeded that of any former year; only in three previous years (1875-76, 1876-77, and 1883-84) has the outturn of the last-named Agency exceeded 60,000 maunds. The average yield per bigha in 1884-85 was 4 seers 15½ chittacks in the Behar Agency, and 6 seers 9 chittacks in the Benares Agency—averages for both Agencies rather in excess of ordinary years. The produce shown as that of the Behar Agency includes 689 maunds grown in Nepal and delivered to the officers of the Opium Department at Motihari and Bettiah. This is the largest quantity which has yet been received in any year from Nepal cultivators; and the result may be due in part to the freedom of the Nepalee ryots from police molestation and the better arrangements made for them. The extension of these ready-money dealings with the Nepal cultivators shows that opium cultivation is not altogether dependent on a system of advances.

7. The difference in the consistence of the opium delivered in the two Agencies in the year under review is remarkable. In the Behar Agency the actual produce, as delivered by the cultivators, weighed 52,338 maunds, but on account of its high standard of consistence this amount, after deductions for impurities, is reckoned for purposes of manufacture at 55,232 maunds *damdetta*, i.e., reduced to the standard consistence of 70°. The cultivators got the benefit of this high consistence by premiums paid in excess of the standard price of Rs. 5 per seer paid on the weight delivered. Deductions for low consistence were made in this Agency on 100 maunds only. In the Benares Agency, on the other hand, the actual produce delivered by the cultivators amounted to 80,468 maunds; but on account of the unusually low consistence of the opium, the *damdetta* result amounted only to 78,001 maunds. The Agent observes:—

"This is much to be regretted, but in a year in which damp weather prevails during the collection and manipulation of the drug, such a result is inevitable. During the weighments the classification of the district officers caused, in many instances, considerable surprise and disappointment to the cultivators, who cherish the idea that a seer of the drug of whatever consistence should secure a payment of Rs. 5, and a large number of appeals against the decisions of district officers was preferred to me. The officers were in no way to blame; the opium was of unusually low consistence, with a heavy admixture of *pasewa*, which rendered it impossible to give a better classification to the opium than was accorded to it by the district officers."

The unusual quantity of *pasewa* present in the opium of this Agency during the year is ascribed, as above stated, to the heavy rain of March 1885. It is however, clear that the custom of separating *pasewa* from the raw drug obtains

much more largely among the cultivators of Behar who delivered 538 maunds of pure *pasewa* at the weighments of the year than among the cultivators of the Benares Agency who delivered 140 maunds only of pure *pasewa*. Greater attention should be paid in Benares to this important subject, and the Lieutenant-Governor is glad to notice Mr. Rivett-Carnac's statement that efforts will be made to obtain the more complete separation of *pasewa* in future weighments. It is understood from the Agents' Reports that in the Behar Agency 27½ maunds and in the Benares Agency 36 maunds of opium were confiscated for adulterations, and that in the Benares Agency fines were imposed in respect to 118 maunds of opium for impurities other than *pasewa*. In the Behar Agency deductions for "impurities, *pasewa*, &c.," were made on 236 maunds. Large adulterations were found in some of the deliveries of Nepal opium.

8. The balance of advances made for cultivation outstanding was at the end of the year under review, Rs. 4,016 in Behar, and Rs. 22,737 in the Benares Agency, making a total of Rs. 26,753. These sums are relatively small, the advances made to cultivators having amounted in the year under review alone to one hundred and fifty-six lakhs of rupees in the Benares Agency, and to one hundred and eleven lakhs of rupees in the Behar Agency. It may now be said that the policy of recovering the old balances has been successful and that the ryots enter on the new year unembarrassed by outstanding accounts.

9. The unirrigated portion of the area under poppy cultivation is less than a fourth of the whole in Behar, while in the Benares Agency it amounts only to 2 per cent. During the year under review Rs. 111,100 were lent in Behar and Rs. 26,961 in the Benares Agency for the construction and repairs of wells. In the former Agency an increase of cultivation of 1,029 bighas was obtained by these advances. The abundant rainfall in the last-named Agency made it less necessary than in ordinary years for the cultivators to spend money on wells. Particulars of recoveries of the advances made for wells are not given by the Behar Agent; in the Benares Agency Rs. 8,831 of the amount advanced had been recovered up to the date of the Agent's report (30th November 1885), and the balance was in course of realization. The Behar Agent writes that canal water is only used for irrigation of the poppy crop when no other water is procurable. It has been stated in former Resolutions that in some districts of Behar wooden aqueducts or shoots have been constructed which convey water from the ryots' wells across the canal distributaries to the poppy fields. A further expenditure was incurred on this account during the year under review in the Patna district. Mr. Kemble's remarks on the proposed scheme of damming up hill-streams in certain districts with a view to distributing their water by means of small channels, and on the effect of growing indigo and poppy on the same land, which has already been a subject of correspondence with Government, will be referred to the Director of the Agricultural Department for consideration.

10. During the year under review 1,284 cases were instituted in the Lower Provinces for offences against the Opium law, 1,048 persons were convicted and sums exceeding in the aggregate Rs. 13,000 realised as fines were distributed among informers and other persons as rewards. "In the majority of cases," writes Mr. Kemble, "the accused persons were convicted for keeping back a small quantity of the produce of their fields, which they were induced to sell to the informers." Some large seizures of contraband opium were made in railway carriages near Burdwan, but the persons found in possession were merely coolies hired to take charge of it, and the real consignors were not discovered. In the North-Western Provinces and Oudh 644 prosecutions were instituted, of which 584 resulted in the conviction of the accused. In the successful cases fines were realised to the amount of Rs. 7,663, the greater portion of which was distributed in rewards to informers and apprehenders. No great success was obtained, the Agent states, against the chief culprits—the dealers—although some large captures were made in the Bareilly district. As Mr. Rivett-Carnac remarks, the good opium crops of two successive seasons afforded considerable facilities for the consumption of illicit opium, as the cultivators can more easily keep back without detection a portion of the drug when the supply is abundant. It is clear from

the reports that the Agents recognise the importance of confining within the narrowest possible limits the demoralising traffic in illicit opium, and the impossibility of producing any diminution of the offence by petty prosecutions directed against cultivators, as long as the purchasers and dealers escape detection. The subject deserves the closest attention from departmental officers, and also from the police.

11. Turning to the manufacture of opium during the season from 1st April to 31st October 1885, the following particulars are obtained from the Opium Agent's reports, and from the statements thereto appended. The Behar Agent had a balance in store on the 1st April 1885 of opium of the previous season, amounting to 1,554 maunds of 75° consistence. The opium delivered in his Agency by cultivators (including Nepal opium) on account of the crop of 1884-85 amounted to 52,302 maunds of the same consistence. Deliveries from the Benares Agency made up 13,124 maunds, and miscellaneous receipts and the godown surplus raised the whole amount in store during the year to 67,227 maunds of 75°. From the total quantity of opium at his disposal, the Agent manufactured 1,297,220 cakes, or 32,430½ chests, which are equivalent to 47,876 maunds, at 75° consistence, of provision opium, and 1,414 chests equal to 2,122 maunds of excise opium. On the 1st November 1885, the Agent had a balance of 9,333 maunds of opium, including 140 chests of excise opium (1,274 of the 1,414 chests of excise opium manufactured were issued between April and October 1885); the rest of the opium received is accounted for by expenditure on *lewa*, and issues of medical and miscellaneous opium. The Benares Agent had in store on the 1st April 1885 a balance of 2,679 maunds of opium of 70° consistence. The receipts of the season of 1884-85, excluding Malwa opium, but including miscellaneous receipts and godown surplus, made the total up to 81,358 maunds at 70° consistence. From the total quantity of opium at his disposal, the Agent manufactured 1,300,000 cakes, or 32,500 chests, which are equivalent to 47,740 maunds, at 70° consistence, of provision opium. 14,050 maunds at 70° consistence (shown above as 13,124 maunds at 75° consistence) were sent to the Behar Agency, 10,558 maunds were kept in reserve, and the rest is accounted for by expenditure on *lewa*, and on repairs of cakes, and by issues to Calcutta. It is understood from paragraph 26 of the Board's review that the Agent of Benares also manufactured 1,609 maunds of excise opium from the balance of Benares opium remaining over from the season of 1883-84. It does not appear that account is taken of this amount in Statement E appended to Mr. Rivett-Carnac's report, nor does the amount appear to agree with the figures given in paragraph 85 of Mr. Rivett-Carnac's report. The manufacture of Malwa opium during the season 1884-85 is noticed below.

12. The total issues of Behar opium for excise purposes during the year are not stated in the Agent's report. In the Benares Agency the amount of opium issued for excise purposes in the year was 6,508 maunds (paragraph 38 of Mr. Rivett Carnac's report) as against 5,381 maunds in the preceding year. This amount apparently includes issues of Malwa opium. The experimental purchases of Malwa opium for excise purposes have been continued. During the season of 1884-85, Malwa opium to the amount of 2,630 maunds at 90° consistence (= 53,382 maunds at 70° consistence) was purchased by Mr. Hastings, Sub-Deputy Opium Agent, who was deputed to Indore for the purpose. This amount, added to 573 maunds in store from preceding years, made up a total of 3,203 maunds in store during the year. Of this amount 706 maunds were issued as excise opium to the North-West Provinces and Oudh and to the Central Provinces, and the remainder (1,180 maunds manufactured and 1,312 maunds unmanufactured) was in store at the end of the season. This opium is said to be generally appreciated in the Central Provinces, but it is not popular in the North-West Provinces.

13. The heavy work of the two factories appears to have been satisfactorily done. A copy of Mr. Kemble's remarks on the subject of encouraging zemindars to plant mango-trees will be sent to the Director of the Agricultural Department. Separate orders have been passed by the Lieutenant-Governor on the subject of the experiments which have been made (1) in keeping unpacked cakes on the racks at the Agencies, (2) in packing opium in tin-lined chests, (3) in packing without trash. The outturn of the saw-mill at Bankipore was less

in quantity than in preceding years on account of the temporary cessation of work for the erection of new machinery. This was successfully carried out by Mr. Girling, the Superintendent, and the agency now possesses plant sufficient to turn out a much larger quantity of work. The supply of timber through the contractors, Messrs. Dear and Co. and Messrs. Alexander Knight and Co., has been regular and in excess of requirements.

14. The total receipts of the Opium Department during the year 1884-85 are shown by the Accountant-General to have amounted to Rs. 61,396,000. This amount is made up as follows:—By sale of provision opium Rs. 60,520,000, by cost price of opium issued for excise purposes Rs. 5,48,229, and the balance by miscellaneous receipts. The total charges amounted to Rs. 29,632,000, made up as follows:—By payments to cultivators Rs. 25,594,000, manufacturing charges Rs. 3,131,000, salaries and establishments Rs. 899,000, and the balance by miscellaneous expenditure. The net revenue of the department for 1884-85 was Rs. 31,764,000 as against Rs. 50,572,000 for the preceding year. The falling off is due both to the fact that 7,702 fewer chests of provision opium were sold during 1884-85, and also to the enormous payments to cultivators for the large crop of the year which exceeded by over 108 lakhs of rupees the payments of the preceding year. The large crop also necessitated increased expenditure on account of manufacture.

15. The remarks made by the Board of Revenue, by the Agents, and the services of officers, will be considered in the Appointment Department. The Lieutenant-Governor regrets to record the death, during the year, of Dr. T. W. Shephard, who rendered valuable service as Principal Assistant at the Patna and Ghazipore Factories for 15 years. To the Board of Revenue, to Mr. Rivett-Carnac, Agent of Benares, and to Mr. Kemble, Agent of Behar, the Lieutenant-Governor tenders his thanks for their efficient supervision of the department.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Offg. Secretary to the Government of Bengal.

AGRICULTURAL SCHOLARSHIPS.

GOVERNMENT OF BENGAL.

REVENUE DEPARTMENT,—AGRICULTURE.

Calcutta, the 21st April 1886.

RESOLUTION.

READ the Resolution of this Government in the Financial Department dated the 21st August 1880, creating two scholarships of £ 200 per annum each to be held by science graduates of the Calcutta University at the Royal Agricultural College at Cirencester.

Read also the letter from the Government of India, Revenue and Agricultural Department, No. 156—11-2A, dated the 8th February 1886, giving cover to two despatches from Her Majesty's Secretary of State for India, drawing attention to the circumstance that the holders of the Agricultural Scholarships do not devote the whole of their time to the studies which they are sent to England to pursue.

RESOLUTION.—The objects of Government in creating two scholarships tenable for two years and a half each at the Royal Agricultural College, Cirencester, were explained in the Resolution of 21st August 1880, quoted in the preamble, to be the promotion of agricultural improvement or encouragement of the study of scientific agriculture.

It appears, however, from the information now forwarded to this Government that some of the agricultural scholars employ a portion of their time in legal and other studies entirely unconnected with these objects—a course opposed to the views of this Government and to the spirit of the conditions under which the scholarships are held.

In order, therefore, to put a stop to this practice, or to leave no doubt as to the intention of Government in selecting agricultural scholars, the Lieutenant-Governor is pleased to direct that in future any scholar who does not apply himself exclusively to agricultural studies will be liable to forfeiture of his scholarship.

ORDER.—Ordered that the above resolution be published in the *Calcutta Gazette* for general information and that copies of it be circulated to the several officers concerned for information and guidance.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Offg. Secretary to the Government of Bengal.

REPORT ON THE WORKING OF THE LICENSED WAREHOUSE AND FIRE-BRIGADE ACT IN THE SUBURBS OF CALCUTTA DURING THE YEAR 1884-85.

THE following report is published for general information.

R. H. WILSON,

Offg. Secy. to the Govt. of Bengal.

The 27th April 1886.

No. 3MM., dated Calcutta, the 6th April 1886.

From—A. SMITH, Esq., Commissioner of the Presidency Division,
To—The Secretary to the Government of Bengal, Municipal Department.

UNDER section 30 of the Licensed Warehouses and Fire-Brigade Act, IV (B.C.) of 1883, I have the honour to submit the annual report on the working of the above Act during the year 1884-85 in the Suburbs of Calcutta, together with a statement showing the jute ware-houses in the Suburbs for which licenses were granted.

2. The list contains 104 warehouses, of which 74, including two new ones, were licensed during the year of report against 102 in the preceding year; and of the remaining 30 warehouses, 28 were wholly, and one partially, unoccupied, and one was converted into a dwelling-house. Particulars of the jute warehouses left unoccupied, or occupied by parties other than those named in the previous year's statement, and fluctuations in the amount of license fees, &c., are noted in detail in the remark column of the statement.

3. The license fees realized during the year on account of the 74 warehouses amounted to Rs. 15,767-10-6 against Rs. 16,793 realized in the year 1883-84. It will be thus seen that both the number of warehouses licensed during the year, and the amount of license fees collected therefrom, were less than in the previous year. This is said to be due to the unusual delay in the disposal of the question regarding the enhancement of the rate of fees. It was decided by Government, in its letter No. 2294T—M, dated the 19th October last, that the tax could not be levied at an increased rate with retrospective effect for the years 1884-85 and 1885-86. The original rate of Rs. 5 was therefore adopted, and the fees were realized in the latter year. Most of the jute godowns are temporarily occupied by dealers during the jute season, and as no fees were collected in the year 1884-85, many of them escaped payment, for, when final orders for collection were received in November last, the temporary dealers left the jute godowns and their whereabouts could not be traced.

4. As required by paragraph 4 of Government letter No. 723, dated the 20th August 1881, I send herewith another statement showing in debtor and creditor form the income and expenditure of the fund.

5. Twelve fires occurred in the Suburbs of Calcutta during the year under review against 18 in the preceding year. A statement showing the localities where fire broke out, its cause, and the extent of damage, &c., done, is herewith submitted as furnished by the Deputy Commissioner of Police, Calcutta.

List of Jute and Cotton Warehouses licensed in the Suburbs of Calcutta during the year 1884-85.

Number	Names of the owner or occupier of the warehouse.	Locality of the warehouse.	Amount of license-fee realized.	Total.	REMARKS.
			Rs. A. P.	Rs. A. P.	
1	Camperdown Pressing Company, Limited.	4 and 6, Rustomjee's Lane, Cossipore.	900 0 0		
2	Messrs. S. C. Chunder and Company (proprietors, Bengal Hydraulic Press).	4, Sugar Works' Lane, Cossipore.	900 0 0		
3	Hursookdass and Doolichand ...	2, Chitpore Ghat Lane, Nawabputtee.	600 0 0		Agents, Messrs. Graham and Company.
4	Ashcroft Pressing Company, Limited (owner Kirty Chunder Mitter).	10, Nawabputtee Street, Chitpore.	750 0 0		
5	Messrs. Ernsthausen, Oesterley and Company (owner Rajkristo Dass).	5, Cally Prosunno Sing's Street, Chitpore.	1,140 0 0		
	Messrs. Ralli Brothers ...	3, Sugar Works' Lane, Cossipore.	2,250 0 0		One new press (Raneo Press) opened this year, for which amount of license-fee has been increased.
7	Messrs. Kettlewell, Bullen and Company (owner Russick Laul Seal).	42A, Cossipore Road ...	540 0 0		
8	Messrs. Emile, Charriol and Company (Agents and Secretaries, Calcutta Hydraulic Press Company, Limited).	6, Cally Prosunno Sing's Street, Chitpore.	842 6 6		Assessment being Rs. 16,845, this amount has been realized at 5 per cent. Present occupier R. Quelette, Esq.
9	Messrs. George Henderson and Company (Agents, Watson's Patent Press Company, Limited).	1, Gailiff's Street, Bagbazar ...	420 0 0		
10	Messrs. N. J. Veletta and Company (Agents, Chitpore Hydraulic Press Company, Limited).	2, Cally Prosunno Sing's Street, Chitpore.	1,200 0 0		
11	Messrs. Reinhold and Company (Managing Agents, Canal Press Company, Limited).	2, Nawabputtee Road, Chitpore, old No. 6.	570 0 0		
	Carried over ...	.....	.....	10,112 61	

Number.	Names of the owner or occupier of the warehouse.	Locality of the warehouse.	Amount of license-fee realized.	Total.	REMARKS.
			Rs. A. P.	Rs. A. P.	
	Brought forward ...	.....		
	<i>Jute Mills.</i>				
1	Messrs. Gladstone, Wyllie and Company (Agents, Clive Jute Mills).	48, Garden Reach Road ...	120 0 0		The Company have discontinued the business, and at present in the protection of the Court; the amount not having therefore been realized, the matter was laid before the Commissioners at a meeting.
2	Messrs. Bird and Company (Agents, Union Jute Company, Limited).	6, Goorupara Road, Sealdah ...	100 0 0		
3	Messrs. Robinson, Morrison and Company (Managing Agents, Asiatic Jute Company, Limited).	73, Narkeldanga Main Road ...	.....	
4	Deputy Superintendent, Alipore Jail.	5, Jail Lane ...	60 0 0		
5	Messrs. George Henderson and Company (Agents, Buranagore Branch Mills).	135, Baliaghata Road ...	60 0 0		
6	Messrs. Gillanders, Arbuthnot and Company.	9, Garden Reach Road ...	144 0 0		
			.....	484 0 0	
	<i>Cotton Mills.</i>				
1	Messrs. Mackinnon, Mackenzie and Company (Agents, Garden Reach Cotton Mills Association).	22, Garden Reach Road ...	60 0 0		
2	Messrs. Andrew, Yule and Company (Agents, Bengal Mills Company, Limited).	47, Ditto ditto ...	60 0 0		
			.....	120 0 0	
	<i>Hand Screws.</i>				
1	Chunder Nath Shaha ...	1, Ram Gopal Ghose's Lane, Chitpore.	240 0 0		
2	Hurish Chunder Bose ...	14, Cally Prosunno Sing's Street, Chitpore.	82 8 0		This increase is due to valuation.
			.....	322 8 0	
	<i>Warehouses for storage of Jute.</i>				
1	Bidhu Khusan Mitter (owner Kheluch Chunder Ghose).	4 and 6, Kheluch Chunder Ghose's Lane.	50 0 0		
2	Hurish Chunder Dutt (owner Nilmoni Mitter).	18, Belgatcha Road ...	.....		Unoccupied.
3	Agent, Eastern Bengal State Railway	1, Upper Circular Road ...	684 0 0		This decrease is due to valuation.
4	Ditto ditto ditto ...	8, Chitpore Cross Road ...	600 0 0		
5	Nilmadhub Sikdar ...	18, Ooltadanga Road ...	66 0 0		
6	Kash Behary and Julodhur Roy (owner P. K. Mukerjee).	6 and 6A, Frankissen Mukerjee's Lane.	.....		Unoccupied.
7	Gyan Chunder Sein ...	15, Frankissen Mukerjee's Lane.	50 0 0		
8	Hurish Chunder Dutt ...	19 and 20, Gourebere Lane ...	50 0 0		
9	Ditto ditto ...	37-4, Canal West Road...	50 0 0		
10	Ditto ditto ...	39-3, Ditto ditto ...	60 0 0		
11	Gopal Chunder Sikdar and Mohesh Chunder Coondoo (owner P. K. Mukerjee).	13 and 12A, Talia Road ...	.....		Due to change of valuation. Unoccupied.
12	Shama Churn Bullove (owner Shama Churn Lahiry).	5, Belgatcha Road ...	66 0 0		Due to increase of valuation.
13	Mohesh Chunder Coondoo ...	3, Callycumar Banerjee's Lane	50 0 0		
14	Messrs. W. B. Mactavish and Company.	Compartment 3 of building No. 3A, Baliaghata Road.	.....		Unoccupied.
15	Behary Lal Pyne (owner Manguljan Ostagur).	25, Moorareepuker Road ...	50 0 0		
16	Prohlad Chunder and Nuruttom Sickder.	83, Barrackpore Trunk Road	.....		Ditto.
17	Noruttom Sickder ...	19, Gourebere Lane ...	50 0 0		
18	Baney Madhub Sickder...	25-1, Canal West Road...	50 0 0		
19	Gopee Mohun Roy ...	1-1, Budree Dass Temple Street.	50 0 0		
20	Ditto ditto ...	29, Canal West Road ...	65 8 0		Due to increase of valuation.
21	Mohun Bungshi Roy ...	36-1, Ditto ditto ...	.....		Unoccupied.
22	Lalit Mohun and Brindaban Chunder Shaw.	24-2, Ditto ditto ...	50 0 0		
23	Lalit Mohun and Brindaban Chunder Shaw.	24-3, Ditto ditto ...	50 0 0		
24	Jugonnath Baspie ...	18, Cossipore Road ...	.....		Unoccupied.
25	Kirti Chunder Mitter ...	4, Frankissen Mukerjee's Lane	50 0 0		
26	Ditto ditto ...	3, Chitpore Street	180 0 0		
27	Tara Churn Goocho ...	7 and 8, Chitpore Ghat Lane...	66 4 0		Due to increase of valuation. Converted into dwelling place. Due to increase of valuation.
28	Ditto ditto ...	3, Frankissen Mukerjee's Lane.	.....		Unoccupied.
29	Deep Chand and Huri Chunder Coondoo.	35-5, Canal West Road...	60 0 0		
30	Bejoy Chunder Dutt ...	41-1, Ditto ditto ...	.....	
31	Tara Prosunno Roy ...	35-4, Ditto ditto ...	50 0 0		
32	Sonatan Dey ...	6, Gourebere Lane ...	50 0 0		
33	Kristo Mungul Shaha ...	39-3-1, Canal West Road ...	50 0 0		
34	Surju Coomar and Gura Churn Shaw	45, Ditto ditto ...	.....	
35	Mohima Chunder and Koylash Chunder Cundu.	32, Ditto ditto ...	50 0 0		Ditto.
36	Mohima Chunder Kundu ...	31, Ditto ditto ...	50 0 0		
37	Goburdhone Shaw ...	46, Ditto ditto ...	60 0 0		
	Carried over ...	.....		

Number.	Names of the owner or occupier of the warehouse.	Locality of the warehouse.	Amount of license-fee realized.	Total.	REMARKS.
			Rs. A. P.	Rs. A. P.	
	Brought forward ...	.....		
	<i>Warehouses for storage of Jute—continued.</i>				
88	Kally Churn Poddar (owner Hurish Chunder Dutt).	20, Budree Dass Temple Street.	50 0 0		The owner occupies it.
89	Radhakristo Guho	1, Chitpore Street	50 0 0		Unoccupied.
40	Ditto	7, Frankissen Mukerjee's Lane.	.....	
41	Tara Churn Guho	7, Frankissen Mukerjee's Lane.	130 0 0		
42	Bonmali Kundu	2, Bonomally Chatterjee's Street.	50 0 0		
43	Dwarkanath and Bonmali Kundu ...	20, Chitpore Ghât Lane	103 0 0		Due to decrease of valuation.
44	Prohlad Chunder and Disamber Shaha.	17, Ditto ditto	50 0 0		
45	Prohlad Chunder and Digumber Shaha.	4, Ditto ditto	50 0 0		
46	Cally Sunker and Taruck Nath Kundu.	6, Talla Road	.....		Unoccupied.
47	Cally Sunker and Taruck Nath Kundu.	22, Ditto	50 0 0		
48	Rajendro Lal Shaha and 4 others ...	3 and 4, Chitpore Ghât Road...	120 0 0		
49	Nuffer Chunder Tah	Ditto ditto	60 0 0		
50	Madhub Chunder Dutt	7, Newabputtee Street	50 0 0		
51	Dwarkanath Bhunjo	8, Oolie Chundetola Road	50 0 0		
52	Chunder Nath Dalaul	51, Belgatchia Road	50 0 0		
53	Ditto	2, Ditto	50 0 0		
54	Utsab Narain Roy Choudry	10, Setpuker Road	.....		Ditto.
55	Dwarka Nath Roy	6, Talla Road	50 0 0		
56	Ditto	14, Frankissen Mukerjee's Lane	50 0 0		
57	Messrs. W. B. Mactavish and Company.	10, Belgatchia Road	.....		Ditto.
58	Koylash Chunder Banerjee (owner Nilmoni Mitter).	13, Ditto	.....		Ditto.
59	Hurish Chunder Dutt	10, Chitpore Ghât Lane	.....		Ditto.
60	Messrs. Ernsthausen, Oesterley and Company, Agents, Strand Bank Press Company, (owner Kalidas Seal).	3, Kaliprossunno Sing's Street, Chitpore.	175 0 0		
61	Messrs. Ernsthausen, Oesterley and Company, Agents, Strand Bank Press Company (owner Kalidas Seal).	3A, Kaliprossunno Sing's Street, Chitpore.	95 0 0		One of the two godowns was unoccupied.
62	Romanath Das	1, Chitpore Bridge approach...	.....		Unoccupied.
63	Cally Churn Poddar (present occupier Nuratum Sicker).	2, Budree Dass Temple Street...	.....		Ditto.
64	Suroop Chunder Senje (owner Tara Chand Poddar).	13, Frankissen Mukerjee's Lane.	50 0 0		
65	Brojodoyal Shaw (owner Gobind Chunder Roy).	7, Setpuker Road	.....		Ditto.
66	Hurish Chunder Bose	12, Kali Prossunno Sing's Street.	50 0 0		
67	Nalit Mohun and Brindabun Chunder Shaw (owner K. K. Podder).	51-1, Chauputta Road, Balia-ghata.	.....		Ditto.
68	Brindabun Chunder Roy (owner Russick Lal Shaha).	8, Frankissen Mukerjee's Lane	.....		Ditto.
69	Brindabun Chunder Roy (owner Boicunt Nath Chatterjee).	2, Ditto	.....		Ditto.
70	Mr. F. Augier	4, Cally Prossunno Sing's Street.	75 0 0		
71	Koylash Chunder Nundon	7, Chitpore Bridge Road	.....		Ditto.
72	Prémath Mitter	1, Lockgate Road	180 0 0		
73	Messrs. Chen and Paul (owner Gribala Das).	10, Nawabputtee Street	50 0 0		
74	Nurutum Sicker	60, Gourebere Road	51 0 0		Due to increase of valuation.
75	Comola Cant Chuckerbutty (owner Kodha Nath Kundu).	10, Nawabputtee Street	.....		Unoccupied.
76	Shama Churn Bullove (owner Shama Churn Lahiri).	5, Belgatchia road	.....		Ditto.
77	Nilmadub Sicker	16 and 17, Gailiff Street	.....		Ditto.
78	Hurish Chunder and Benud Behary Dutt.	32-3-1, Canal West Road	60 0 0		Due to increase of valuation.
79	Messrs. Chen and Paul (owner Indronaran Biswas).	2, Shekpara Road	.....		Unoccupied.
80	Sedam Chunder and Issur Chunder Coondou (owner R. C. Banerjee).	55, Barrackpore Trunk Road...	.....		Ditto.
81	Issur Chunder Banerjee	55A, Ditto ditto	.....		Ditto.
82	R. L. Mitter and S. C. Bose (owner A. L. Dass).	38, Belgatchia Road	50 0 0		New.
83	Messrs. Finlay, Muir and Company (owner Anundo Chunder Chatterjee).	15, Talla Road	120 0 0		New.
	Total ...		.....	15,767 10 6	

DE.

Jute license on account of Suburbs of Calcutta—
By amount of jute license-fee for 1884-85
received during the year 1885-86

Total ... 15,767 10 6

Rs. A. P.

To amount of executive charges of the municipality at 20 per cent. ...
To amount paid to the Calcutta Police for Fire-
Brigade Fund at 80 per cent. ...

Total ... 15,767 10 6

Rs. A. P.

3,153 8 6

12,614 2 0

15,767 10 6

C.R.

Extract from the Register of Fires and Operations of the Calcutta Fire-Brigade.

DATE.	Locality of fire, with section letter.	Time of outbreak.	Time of alarm at fire station.	Time of arrival of brigade.	Particulars as to number and description of buildings or other property destroyed, with approximate value, and whether insured or not.	Cause of fire.	REMARKS.
3rd April 1884	O. Suburbs Matlabrooze.	5-45 P.M.	5-45 P.M.	6-35 P.M.	Two hundred tiled huts and one brick house, valued at Rs. 6,000, not insured.	Fire from the choola ignited the door screen of the house of S. K. Kulloo.	Out at 6 A.M. of the 4th instant; when proceeding to the fire with steam-engine "Percy" the wheels jammed in the axles and would not turn; probably due to some defect in axle-boxes.
8th " "	Do.	11 A.M.	12 noon	1 P.M.	Three tiled huts and nine stacks of straw, valued at Rs. 3,000; not insured.	Unknown	All out at 12 noon of 10th instant.
16th " "	M. Suburbs Watgunge.	4 A.M.	3-15 A.M.	3-25 A.M.	Thirteen thatched huts valued at Rs. 800 not insured.	Fire from a choola supposed to have ignited the mat wall in the house of Tokee Woryah.	All out at 5-30 A.M.
26th " "	F. Suburbs Sealadah.	11-30 A.M.	12 noon	12-30 P.M.	About 12,000 maunds of jute in a brick building in Union Jute Mill at Sealadah loss about Rs. 6,000 insured.	Origin of fire unknown. Mr. Gray and Mr. Craig, Engineers in charge, state that the godown was closed and doors locked on the previous evening, between which time and the outbreak of fire no person could have entered the building. They were sitting in their quarters and on hearing an alarm of fire they rushed out and saw flames and smoke issuing from the windows of the godown.	All out at 6 P.M. of the 21st instant.
28th " "	F. Suburbs Entally.	3 A.M.	3-15 A.M.	3-25 A.M.	One thatched hut valued at Rs. 50; not insured.	Unknown	All out at 4-20 A.M.
26th May "	G. Suburbs Nonatala.	10-10 P.M.	10-25 P.M.	10-50 P.M.	Four thatched houses and one stack of straw, valued at Rs. 250; not insured.	Fire left in a choola in the house of Nat o Dossee is supposed to have ignited the mat wall.	All out at 1 A.M.
29th " "	D. Suburbs Nimuck-mahal.	1-30 A.M.	1-45 A.M.	2-30 A.M.	Three tiled huts valued at Rs. 50; not insured.	Unknown	All out at A.M.
4th June "	M. Suburbs Watgunge.	12 mid-night.	12-15 A.M.	12-25 A.M.	Four thatched houses and two cows, valued at Rs. 250; not insured.	A spark of fire is said to have ignited a pile of straw in a cowshed, which caused the fire.	All out at 2 A.M.
12th Nov. "	P. Suburbs Entally.	5-20 P.M.	5-30 P.M.	6 P.M.	Two tiled huts and a stack of straw valued at Rs. 300; not insured.	Fire from a chilam ignited mat wall.	All out at 7 P.M.
16th " "	G. Suburbs Baniapukur, Bose Bazar.	1-30 A.M.	1-45 A.M.	2-10 A.M.	Forty tiled huts valued at Rs. 6,500; not insured.	The flame of a kerosine lamp is supposed to have ignited a bundle of jute.	All out at 10 A.M.
17th " "	E. Suburbs Narkul-danza.	1 P.M.	1-15 P.M.	1-30 P.M.	Six tiled huts, valued at Rs. 150; not insured.	Sparks of fire from a choola ignited the mat wall of the house of Jadoo Nath Doss.	All out at 3 P.M.
24th Jan. 1885	B. Suburbs Chitpore.	2-15 P.M.	2-20 P.M.	2-50 P.M.	One jute store-house containing 3,236 drums of jute; value of building about Rs. 50,000; value of jute about Rs. 10,000; insured.	On the 5th instant at 2-15 P.M., information was brought to Chitpore thana by constable Ramprotab Parry, No. 458 Suburbs, who was doing duty on Cossipore road, that a fire had taken place in the godowns of the Chitpore Hydraulic Press, and it was at once communicated to the Fire-Brigade at Lall Bazar,	The engines "Percy" and "Hughly" worked well, and also No. 2 hand-engine. The fire was well under at 5 P.M. and the "Percy" returned to head-quarters. The "Hughly" worked all night and till 5 P.M. of the 6th instant. No. 2 hand-engine with eight khalasees remained at the fire till 8 A.M. of the 7th instant.

and at the pumping-station at Talla. The fire was extinguished by the Fire-Brigade arriving at the spot about half an hour after. It appeared from enquiries made that the shed where the fire took place was in the occupation of Messrs. Chell, Paul & Co., and there were about 200 men engaged in assorting jute. There were two sirdars and eight sircars engaged in supervising the work of these men. There were about 3,236 drums of jute, some loose and some drums. There were four ranges of godowns in this shed, that is the shed is partitioned into four ranges. In the centre two ranges of jute were kept and the assorters sat and worked on four sides. At about 2 P.M., all of a sudden the coolies gave an alarm of fire and ran out of the shed. The sircars and cooly sirdars were each examined, but none could say as to the cause of the fire. Bhubun Biswas and Nundo Ghose, head sircars, state that they were not in the shed at the time of the fire; the former came from the tillin-room and the latter from the press-house on hearing the report of the fire. As for others no one can say or would say anything which may tend to show the cause of the fire. In fact, every one says that he saw fire in the centre of godown all of a sudden. There were durwans doing duty at the gate to prevent people carrying fire, matches, or any other inflammable substance into the shed. The durwans used to search people before allowing them to enter into the shed. This precaution appears to have been taken after the last fire at this place. No outsider is allowed to enter into the shed. The shed where the fire took place is far from the press-house, that is the engine-house, and specially the place where the fire was seen first was in the centre of the godown surrounded by people working on all sides and during day time. These and other circumstances throw great suspicion as to the origin of the fire. It is very strange that fire takes place always in this season when jute work is about to be closed. Most of the people suspect that the fire was caused by some evil-disposed persons. It may have been done through spite between the different press-houses, or between the sirdars and coolies. An evil-disposed sirdar of the bazar may also commit this mischief with impunity, in order to save himself from being detected in the misappropriation he may have committed during the whole season, for no account is made out until the season is closed. These may be the causes of these fires, but nothing direct can be found. Some people allege that fire may be caused by wet jute remaining with dry jute, which is said to ignite of itself. This is a matter for the experts.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 24th April 1886.

No.	District, and date of return	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
<i>Western Districts.</i>			
HOWDAH DIV.	1 Burdwan, April 24 '86	Nil	Weather—seasonable. Want of rain felt. Rice selling at from 17 to 21 seers per rupee. Public health fair. A few cases of cholera, small-pox and fever reported in the Sudder and Cutwa sub-divisions.
	2 Bankoora, „ 24 „	Nil	Weather—very hot. Lands being prepared for early paddy. Prospects of crops good, but rain wanted. Prices steady. Public health good.
	3 Beerboom, „ 24 „	Nil	Weather—very hot. Rain wanted for <i>til</i> crop and for ploughing lands. Prices of food-grains stationary. Public health good.
	4 Midnapore, „ 24 „	Nil	Weather—seasonable. About half the <i>boro</i> crop is now harvested, with generally good results. A little rain would be welcome. Public health good.
	5 Hooghly, „ 24 „	Nil	Weather—very hot. <i>Boro dhan</i> being reaped, with fair outturn. Rain wanted for ploughing. A sharp outbreak of cholera at Rishra and sporadic cases reported from other parts of the district.
	Howrah, „ 26 „	Nil	High winds from south, south-west and south-east. <i>Boro dhan</i> being harvested; outturn fair.
<i>Central Districts.</i>			
PRESIDENCY DIV.	6 24-Pergha, April 27 '86	Nil	Weather—hot, with high wind. No crops on ground except sugarcane, which is doing well. Sporadic cases of cholera reported from thana Bhangore; public health otherwise good.
	7 Nuddea, „ 24 „	Nil	Weather—hot. Tillage not completed for want of rain. Sporadic cases of cholera reported in Kushtea, Meherpore and Chuadanga.
	8 Khoolna, „ 26 „	Nil	Weather—hot and dry, with south winds. <i>Boro</i> rice harvest continues. Ploughing for <i>aus</i> and <i>amun</i> rice going on. Public health good, but some cases of cholera in Bagirhat.
	9 Jessore, „ 24 „	Nil	Weather—sultry. Rain much wanted for crops. Cholera still bad in parts of the sub-divisions.
RAJSHAHY DIV.	10 Moorsheadabad, „ 24 „	Nil	Weather—hot; seasonable. Ploughing for <i>aus</i> at a standstill. Rain wanted. Public health good; but here and there a few cases of cholera have occurred. Price of common rice from 18½ to 19½ seers per rupee.
	11 Dinagepore „ 23 '86	Nil	Weather—hot with changeable winds. Rain wanted for ploughing. Prices as before.
	12 Rajshahye, „ 24 „	Nil	Weather—very hot. Sowing of <i>aus</i> and <i>amun</i> continues. Condition of <i>boro</i> paddy fair, but rain much wanted. Some cases of cholera reported.
	13 Rangpore „ 24 „	Nil	Weather hot. Prospects of <i>aus</i> continue good except in the Nilphamari and Sudder sub-divisions, where rain urgently needed. Jute up at places; weeding operations actively going on. Cholera reported from Kaligunge police-station; otherwise public health good.
	14 Bogra, „ 24 „	Nil	Weather—very hot; generally fine. Cultivation for <i>aus</i> and jute continues. Rain much wanted. Price of rice stationary. Sporadic cases of cholera reported.
	15 Pubna, „ 24 „	Nil	Weather—very hot; west wind during day. Crops doing well, but require rain. Public health much the same.
	16 Darjeeling, „ 24 „	0.61	Weather—hot and sultry, with occasional thunder-storms. State and prospects of crops good.
DACCA DIVISION.	17 Julpigoree, „ 24 „	Nil	Rain in north of district and in the Duars, but not enough. Rain much wanted everywhere. Sowing of <i>bhadoi dhan</i> going on actively. Public health good.
	<i>Eastern Districts.</i>		
	18 Dacca, April 24 '86	Nil	Weather—very hot. Paddy and jute being sown. Harvesting of <i>boro dhan</i> commenced. Prospects of crops good. Sporadic cases of cholera in the district.
	Munshigunge „ „	0.2	
	19 Furreedpore, „ 24 „	Nil	Weather—very warm, with west winds. Cultivation for <i>aus</i> and <i>amun</i> going on. Rain much wanted. Cholera prevalent in different parts of the district.
	20 Backergunge, „ 22 „	Nil	Weather—sultry. Prospects of crops good. Rain much needed. General health pretty fair.
	21 Mymensinga, „ 23 „	Nil	Weather—hot, with cool breeze at night. Prospects of crops good. Cultivation of <i>aus</i> paddy and jute commenced. Prospects good. Cholera increasing in Tangail.
	Jamalpur „ „	0.03	
	Attea „ „	0.21	
	Netrokona „ „	0.49	
CHITTAGONG DIV.	22 Chittagong, April 27 '86	Nil	Weather—cloudy, with foggy mornings. Winter crops harvested; outturn fair. Prices stationary. Small-pox continues. Fever reported from Cox's Bazar. Public health generally good.
	23 Noakholy, „ 23 „	Nil	Weather—grown warmer; but strong south breeze, excepting on one day <i>Rubbee</i> crops being harvested; these were somewhat damaged by late rain, as also some of the sown rice. Sowing of <i>aus</i> and <i>amun</i> crops in progress. A few cases of cholera and cattle disease.
	24 Tipperah „ 22 „	Nil	Weather—sultry, with high winds. Young rice coming up well. Sugarcane and jute also flourishing; chillies being picked; a poor outturn owing to damage by hail. Public health unsatisfactory owing to the prevalence of cholera.
	Brahmunberiah „ „	1.0	
	25 Chittagong Hill „ 20 „	Nil	Weather—seasonable; but foggy in the morning of the latter two days of the week. <i>Joom</i> burning commenced. Planting of sugarcane continues. Ploughing continues for <i>aus</i> paddy crop. Prospect of <i>joom</i> very gloomy owing to heavy fall of rain last week.
	Hill Tipperah, „ 21 „	Nil	Weather—hot. Prospects of <i>boro</i> paddy good. Tobacco still being reaped. <i>Aus</i> paddy being sown. Public health good.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.			
PATNA DIV.	26 Patna, April 24 '86	Nil	Weather—generally hot, with west wind. Threshing of <i>rubbee</i> still going on. Sowing of <i>cheena</i> in progress. Weighment of opium proceeding. Public health good.
	27 Gya, „ 24 „	Nil	Great heat. Sugarcane and <i>cheena</i> in good condition. Public health good. Prices a good deal lower than last year.
	28 Shahabad, „ 24 „	Nil	Weather—hot, with high west wind. Threshing of <i>rubbee</i> crops continues. Transplanting of sugarcane approaching completion. Cholera reported from Bhabuah. One death from small-pox in Sasseram. Public health otherwise fair.
	29 Durbhunga, „ 24 „	Nil	East wind prevailing. Threshing of <i>rubbee</i> continues. <i>Moong</i> and early paddy growing well. Rain much needed. Prices rising. Public health generally good.
	30 Mozufferpore, „ 24 „	Nil	Wind mostly from the east. Threshing of <i>rubbee</i> crops still in progress. Early rice, <i>cheena</i> , <i>moong</i> and <i>kaini</i> being sown. Public health fair.
	31 Saran, „ 24 „	Nil	Weather—much warmer than in the preceding week. Harvesting of <i>rahar</i> completed; outturn estimated at 16 annas. Sugarcane being irrigated. <i>Cheena</i> and indigo look well. Public health good.
BHAUGPUR DIV.	32 Champaran, „ 24 „	Nil	Weather—getting hot. <i>Rubbee</i> harvest nearly completed. Weighment of opium in progress. Prices stationary. Public health good.
	33 Monghyr, April 24 '86	Nil	Weather—hot and dry. Harvesting of <i>rubbee</i> crops completed with a good outturn varying from 12 to 14 annas. Public health generally good, but sporadic cases of small-pox reported from the interior. Prices almost stationary.
	34 Bhagulpore, „ 24 „	Nil	Weather—hot, with less west wind. Rain now wanted. Little but sugarcane on ground. <i>Mohua</i> crop shorter than expected.
	35 Purneah, „ 24 „	Nil	Weather—hot; east wind. Prospects of crops good. Jute and <i>bhadoi</i> rice being sown.
	36 Maldah, „ 24 „	Nil	Weather—very hot and sultry. Rain much wanted for <i>boro</i> paddy and for cultivation of lands for <i>bhadoi</i> crops. Common rice selling at from 16 to 21 seers per rupee. Public health good.
	37 Sonthal Pergah, „ 24 „	Nil	Weather—hot, with west winds. <i>Mohua</i> crop gathered. Outturn of wheat and barley at least 2 annas over an average crop. <i>Boro</i> in low grounds doing well. Sugarcane wants rain. Small-pox still prevalent. General health good.
ORISSA.			
ORISSA DIV.	38 Cuttack, April 23 '86	Nil	Weather—very hot; mornings cloudy. Reaping of <i>dalia</i> rice in progress. Lands being ploughed. Sugarcane being transplanted. Price of rice almost unchanged. Public health generally good.
	39 Pooree, „ 22 „	Nil	Weather—hot. Lands are being ploughed for the ensuing <i>sarad</i> crops. <i>Dalia</i> crop is being harvested. Mango ripening. Relief works going on in the Chilka tracts. Common rice sells at an average of 20 seers 7 chittacks per rupee in the Sudder sub-division, and 18 seers 11 chittacks in the Khoorda sub-division. Cases of cholera still reported from the town as well as from the motussil.
	40 Balasore, „ 23 „	Nil	Weather—hot. Ploughing going on. Mango and other miscellaneous crops doing well. Public health generally good, except that a few sporadic cases of cholera reported from the interior.
CHOTA NAGPORE.			
<i>South-West Frontier Agency.</i>			
CHOTA NAGPORE DIV.	41 Hazaribagh, April 23 '86	Nil	Weather—very warm. <i>Mohua</i> yielding fairly. Mango and sugarcane promise well. No other crops to report on. General health good.
	42 Loharungga, „ 24 „	Nil	Weather—fine and warm. No crops to report on. <i>Mohua</i> and mango promising. No change in prices. Public health good.
	43 Singbhoom, „ 23 „	Nil	Weather—seasonable. No crops to report on. Public health good.
	44 Manbhoom, „ 24 „	Nil	Weather—hot and sultry. Sugarcane being planted. Coarse rice selling at from 24 to 30 seers per rupee. Public health good.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 27th April 1886.P. NOLAN,
Offg. Secretary to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.											
			AIR PRESSURE.			WIND.		TEMPERATURE.						
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.
ORISSA.	Pooree	Gopalpore	29.844	29.894	—	SSW	267	86.7	22nd April	75.8	17th, 20th April.	85.2	77.6	81.4
		False Point	29.872	29.893	+0.030	SSW	271	90.5	17th, 20th April.	74.1	20th "	89.6	78.5	84.1
	Cuttack	Cuttack	29.782	29.863	+0.022	SSW	86	106.4	20th "	75.3	21st "	105.1	76.2	90.7
	Balasore	Balasore	29.818	29.877	—	SSW	269.4	101.4	21st "	73.8	20th "	98.1	75.5	86.8
SOUTH-WEST BENGAL.	South-West Midnapore	Saugor Island	29.849	29.875	+0.015	SSW	339	99.2	17th "	77.0	19th "	92.6	79.6	88.1
	South 24 Pergunnahs	Midnapore	29.709	29.857	—	SSW	143.3	108.4	21st "	74.8	17th, 20th April.	106.0	76.0	91.0
	24-Pergunnahs	Calcutta	29.837	29.858	+0.004	SW	185	103.5	21st "	74.7	17th "	100.4	76.1	88.3
	Howrah	Howrah	29.753	29.852	+0.029	SW	101.3	106.5	21st "	73.9	17th "	104.9	76.1	90.5
	Hooghly	Hooghly	29.517	—	—	NW	89	109.1	22nd, 23rd April.	74.6	18th, 19th April.	107.0	75.9	91.5
	Burdwan	Burdwan	29.517	—	—	NW	89	109.1	22nd, 23rd April.	74.6	18th, 19th April.	107.0	75.9	91.5
	Bankoora	Bankoora	29.517	—	—	NW	89	109.1	22nd, 23rd April.	74.6	18th, 19th April.	107.0	75.9	91.5
	Beerbhoom	Raneegunge	29.313	—	—	SSW	87.7	108.5	22nd, 23rd April.	73.5	21st "	106.3	75.0	91.1
	West Burdwan	Raneegunge	29.313	—	—	SSW	87.7	108.5	22nd, 23rd April.	73.5	21st "	106.3	75.0	91.1
	Moorshedabad	Berhampore	29.772	29.839	+0.015	WSW	142.0	106.7	22nd "	73.3	17th "	104.5	76.0	90.3
	Nuddea	Krishnagore	29.786	—	—	WSW	103.0	104.0	21st "	73.6	17th "	102.4	75.4	89.0
	Jessore	Jessore	29.832	29.865	+0.018	SSW	101.2	103.3	21st "	76.4	17th "	100.9	77.4	89.2
EAST BENGAL.	Khoolna	Khoolna	29.840	29.890	+0.030	SSW	75	88.1	20th "	72.5	23rd "	87.1	74.6	80.9
	Chittagong	Chittagong	29.840	29.890	+0.030	SSW	75	88.1	20th "	72.5	23rd "	87.1	74.6	80.9
	Chittagong Hill Tracts	Demagiri	—	—	—	—	—	Observations not received.						
	Backergunge	Barrisal	29.877	29.889	—	SSE	144.8	93.8	21st April	75.9	18th "	92.2	76.9	84.5
	Noakholly	Noakholly*	29.853	29.896	—	S	?	89.7	21st, 22nd April.	74.3	20th "	88.2	76.5	82.4
	Furreedpore	Furreedpore	29.812	—	—	SSW	236.3	99.0	22nd "	74.9	17th, 20th, 21st April.	96.9	75.2	86.1
	Dacca	Dacca	29.859	29.881	+0.036	S	185	95.3	22nd "	76.2	20th "	92.9	77.0	84.9
	Tipperah	Comillah	29.860	29.895	—	SE	56.8	93.3	21st, 23rd April.	74.8	23rd "	91.6	76.3	84.0
	Mymensingh	Mymensingh	29.786	—	—	—	133.5	95.3	17th, 21st, 22nd April.	72.1	17th "	94.7	75.2	85.0
	Bogra and Fobna	Bogra	29.771	29.834	—	SE	?	103.9	18th "	72.0	19th "	102.2	76.0	89.1
		Serajgunge	29.814	29.860	—	S	163.2	100.8	18th "	71.9	19th "	99.0	74.9	87.0
	Rajshahye	Rampore	29.765	29.835	—	SW	104.3	105.4	22nd, 23rd April.	72.7	17th, 21st April.	103.7	73.8	88.7
CENTRAL BENGAL.	Maldah	Maldah	29.558	—	—	SE	45.7	100.5	18th "	67.8	19th "	99.9	70.5	85.2
	Dinagore	Dinagore	29.718	29.838	—	NE	171	104.6	18th "	66.7	17th "	102.4	71.8	87.1
	Rungpore	Rungpore	29.723	29.846	—	E	163	102.3	18th "	66.0	18th "	98.8	69.2	84.0
	Julpigoree	Julpigoree	29.553	29.842	—	E	139.8	97.9	22nd "	64.9	17th "	95.1	69.4	82.3
	Cooch Behar	Julpigoree	29.553	29.842	—	E	139.8	97.9	22nd "	64.9	17th "	95.1	69.4	82.3
	Darjeeling Hill Districts	Darjeeling	22.026	—	—	Variable	260.5	66.5	17th "	46.6	22nd "	65.4	48.8	57.1
	Purneah	Purneah	29.669	29.823	—	E	38.6	104.2	18th, 23rd April.	?	—	103.3	?	?
	North Bhagulpore	Purneah	29.669	29.823	—	E	38.6	104.2	18th, 23rd April.	?	—	103.3	?	?
	Mozufferpore	Mozufferpore	—	—	—	—	—	Observations not taken.						
	Durbhunga	Durbhunga	29.661	29.828	+0.023	ESE	130	101.9	22nd, 23rd April.	69.5	19th April	101.0	73.3	87.2
	Chumprun	Motihari	29.583	29.809	—	SSE	255.1	103.0	23rd "	62.8	17th "	101.9	67.1	84.3
	Saru	Chupra	29.616	—	—	Westerly	215.7	105.5	23rd "	69.0	20th "	103.4	71.5	87.5
SOUTH BENGAL.	Shahabad	Dehree	29.402	29.837	—	W	272.1	104.0	21st "	66.5	17th "	101.0	73.9	87.3
		Buxar	29.534	29.821	—	W	179.1	106.4	23rd "	70.8	18th "	102.9	74.5	88.8
		Arraz	29.603	29.796	—	W	163.4	108.2	23rd "	69.7	18th "	104.8	72.0	88.4
	Gya	Gya	29.447	29.816	+0.023	W	119.3	108.4	23rd "	72.4	18th "	105.0	74.6	89.3
	Patna	Bankipore	29.646	29.826	+0.027	WNW	89.0	108.0	23rd "	71.4	18th, 20th April.	105.2	72.7	88.8
	South Bhagulpore	Bhagulpore*	29.646	29.806	—	W	50	100.4	17th "	71.0	19th, 21st April.	98.9	72.3	85.6
	Monghyr	Bhagulpore*	29.646	29.806	—	W	50	100.4	17th "	71.0	19th, 21st April.	98.9	72.3	85.6
	Sonthal Pergunnahs	Doomka	29.330	—	—	NW	76.3	107.2	23rd "	73.1	20th "	104.6	75.3	89.9
	Hazaribagh	Hazaribagh	27.878	29.824	+0.058	NNW	220.5	108.5	23rd "	71.7	18th "	99.6	75.0	87.3
	Lohardugga	Ranchee	27.757	29.820	—	NW	146.5	102.4	23rd "	68.7	17th "	96.0	72.8	85.9
	Manbloom	Ranchee	27.757	29.820	—	NW	146.5	102.4	23rd "	68.7	17th "	96.0	72.8	85.9
	Singbhoom	Chybamra	29.086	—	—	Variable	49.3	106.3	22nd "	75.0	21st "	104.9	74.3	89.7

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the year. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and a cloudy sky by 100. The normal means of the rainfall are the numerical means or averages of the rainfall in that district determined from the returns sent in by the district (S.O.) from the total rainfall at the sub-divisional stations in the district sending in returns divided by the number of stations.

* Means for six days.

the week ending Friday, the 23rd of April 1886.

DISTRICT OBSERVATIONS.													Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
Average cloud amount at 10 A. M. for week.	Rainfall of week at observing stations.	RAINFALL.													
		Of week.		Since 1st of Month.			Since 15th May 1885.			Average number of rainy days.	Normal number of rainy days.				
		Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.						
0	Nil	—	—	—	—	—	—	—	—	—	—	—	Gopalpore ...	Pooree	ORISSA.
1.4	Nil	Nil	0.37	0.01	1.02	-1.01	43.52	59.69	-16.17	0.0	0.7	False Point ...	...	...
0	Nil	Nil	0.58	Nil	1.13	-1.13	46.54	57.07	-10.53	0.0	0.8	Cuttack ...	Cuttack	...	
0	0.03	Nil	0.64	0.08	1.35	-1.27	52.42	57.08	-5.26	0.0	1.1	Balasore ...	Balasore	...	
3.3	Nil	Nil	0.83	Nil	1.28	-1.28	73.59	66.61	+6.98	0.0	1.1	Saugor Island ...	South-West Midnapore	...	SOUTH-WEST BENGAL.
0.1	Nil	Nil	0.72	Nil	1.20	-1.20	77.66	53.75	+23.91	0.0	1.1	Midnapore ...	Midnapore	...	
0	Nil	Nil	0.47	0.17	1.18	-1.01	63.94	55.21	+8.73	0.0	1.1	Calcutta ...	Howrah	...	
0	Nil	Nil	0.55	Nil	1.39	-1.39	55.09	49.69	+5.40	0.0	1.3	Burdwan ...	Burdwan	...	
0	Nil	Nil	0.41	Nil	0.65	-0.65	70.54	52.02	+18.52	0.0	0.8	Bankoora ...	Bankoora	...	
0	Nil	Nil	0.34	Nil	0.85	-0.85	62.99	53.25	+9.74	0.0	0.8	Ranezunge ...	Beerbhoom	...	
0	Nil	Nil	0.29	0.20	1.01	-0.81	53.09	51.38	+1.71	0.0	0.7	Berhampore ...	Moorsheadabad	...	
0	Nil	Nil	0.63	0.97	1.90	-0.93	61.10	53.14	+7.96	0.0	1.2	Krishnaghar ...	Nuddea	...	
0.6	Nil	0.05	0.87	1.01	2.16	-1.15	63.15	58.66	+4.49	0.1	1.6	Jessore ...	Jessore	...	
5.4	Nil	Nil	0.68	0.59	1.58	-0.99	141.66	116.45	+25.21	0.0	1.1	Chittagong ...	Chittagong	...	
2.0	Nil	Nil	0.81	2.61	2.54	+0.07	80.98	88.52	-7.54	0.0	1.4	Demagiri ...	Chittagong Hill Tracts	...	EAST BENGAL.
3.7	Nil	Nil	0.98	1.07	2.10	-1.03	89.31	82.77	+6.54	0.0	1.5	Barrisal ...	Backergunge	...	
0	Nil	Nil	0.96	7.56	2.52	+5.04	111.63	116.06	-4.43	0.0	1.6	Noakholly ...	Noakholly	...	
2.1	Nil	0.01	1.20	4.95	2.87	+2.08	70.00	66.79	+3.21	0.3	2.0	Furreedpore ...	Furreedpore	...	
3.0	Nil	Nil	1.22	5.00	3.20	+1.80	80.36	79.18	+1.18	0.0	1.9	Commillah ...	Tipperah	...	
3.7	Nil	Nil	0.99	2.18	2.32	-0.14	69.07	69.62	+0.35	0.0	2.0	Mymensingh ...	Mymensingh	...	
1.1	Nil	Nil	0.66	0.59	1.29	-0.61	55.56	59.49	-3.83	0.0	1.3	Bogra ...	Bogra and Pubna	...	
1.6	Nil	Nil	0.67	0.69	1.83	-1.14	64.50	57.19	+7.31	0.0	1.6	Serajunge ...	...	...
0.9	Nil	Nil	0.37	0.08	1.01	-0.93	57.89	55.03	+2.86	0.0	0.7	Rampore Beaulah ...	Rajshahye	...	
0	Nil	Nil	0.52	Nil	0.76	-0.76	59.90	56.89	+2.14	0.0	0.9	Maldah ...	Maldah	...	NORTH BENGAL.
3.1	Nil	Nil	0.79	1.07	1.87	-0.80	70.57	77.64	-7.07	0.0	1.3	Dinapore ...	Dinapore	...	
1.1	Nil	Nil	1.07	0.39	2.59	-2.20	108.11	116.22	-8.11	0.4	1.8	Rungpore ...	Rungpore	...	
3.1	0.61	Nil	1.90	2.09	4.66	-2.57	152.37	138.67	-6.30	2.5	2.7	Julpigoree ...	Julpigoree	...	
0	Nil	Nil	0.24	Nil	0.62	-0.62	49.46	58.92	-9.46	0.0	0.5	Cooch Behar ...	Cooch Behar	...	
0	Nil	Nil	0.16	Nil	0.41	-0.41	44.79	43.35	+1.44	0.0	0.3	Darjeeling Hill Districts ...	Darjeeling Hill Districts	...	
0	Nil	Nil	0.15	Nil	0.41	-0.41	50.96	43.84	+7.12	0.0	0.3	Purneah ...	Purneah	...	
0	Nil	Nil	0.25	Nil	0.63	-0.63	55.42	46.23	+9.19	0.0	0.2	North Bhagulpore ...	North Bhagulpore	...	
0	Nil	Nil	0.07	Nil	0.15	-0.15	43.03	42.60	+0.43	0.0	0.4	Mozufferpore ...	Mozufferpore	...	
0	Nil	Nil	0.03	Nil	0.15	-0.15	43.37	40.16	+3.21	0.0	0.2	Durbhunga ...	Durbhunga	...	SOUTH BENGAL.
0	Nil	Nil	0.11	Nil	0.19	-0.19	50.54	40.52	+10.02	0.0	0.3	Chumpran ...	Chumpran	...	
0	Nil	Nil	0.07	Nil	0.18	-0.18	43.89	41.06	+2.83	0.0	0.3	Saran ...	Saran	...	
0	Nil	Nil	0.17	Nil	0.37	-0.37	48.36	42.93	+5.41	0.0	0.4	Shahabad ...	Shahabad	...	
0	Nil	Nil	0.24	Nil	0.51	-0.51	61.87	49.57	+12.30	0.0	0.6	Gya ...	Gya	...	
0	Nil	Nil	0.06	Nil	0.14	-0.14	66.70	49.66	+17.04	0.0	0.3	Bankipore ...	Bankipore	...	
0	Nil	Nil	0.18	Nil	0.49	-0.49	51.94	49.43	+2.51	0.0	0.7	South Bhagulpore ...	South Bhagulpore	...	
0	Nil	Nil	0.30	Nil	0.66	-0.66	54.90	54.84	+0.06	0.0	1.0	Mongayr ...	Mongayr	...	
0	Nil	Nil	0.18	Nil	0.49	-0.49	51.94	49.43	+2.51	0.0	0.7	Sonthal Pergunnahs ...	Sonthal Pergunnahs	...	
0	Nil	Nil	0.18	Nil	0.49	-0.49	51.94	49.43	+2.51	0.0	0.7	Hazaribagh ...	Hazaribagh	...	CHUTIA NAG. ETC.
0	Nil	Nil	0.18	Nil	0.49	-0.49	51.94	49.43	+2.51	0.0	0.7	Loharuagga ...	Loharuagga	...	
0	Nil	Nil	0.30	Nil	0.66	-0.66	54.90	54.84	+0.06	0.0	1.0	Manbnoom ...	Manbnoom	...	

The past ten years. The variations are *negatives* when the mean for the week is less than the corresponding normal mean, and *positives* when greater. The number denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head "District" appear the means for the period in question during the past 12 years. The means of the district are the numerical averages of the rainfall return received from which at least hundredths of an inch fell.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 23rd of April 1886.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1885.	Average rainfall from 15th May 1885 to date.
			Sunday, 17th April.	Sunday, 18th April.	Monday, 19th April.	Tuesday, 20th April.	Wednesday, 21st April.	Thursday, 22nd April.	Friday, 23rd April.	Number of rainy days.	Rainfall week.				
ORISSA	Pooree	Pooree	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'52	30'24	
		Khurdah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'03	0'65	45'82	
		Banpur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'26	53'81	
		False Point	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2'26	44'24	
		Hookitola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Gop	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Pipli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Cuttack	Jagatsingapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'57	45'30	
		Banki	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'24	?	48'04	
		Cuttack	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'20	44'73	
		Kendrapara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'99	52'36	
		Jaipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'76	43'70	
		Pharymsalla	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'26	?	?	
		Salipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Balasore	Chandbali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'95	46'14	
		Bhuddruck	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'08	55'46	
		Soran	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'49	49'45	
		Balasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'40	2'09	58'46	
		Jellapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'76	35'19	
		Baripodah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'11	67'20	
SOUTH-WEST BENGAL.	Midnapore	Contai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'15	73'02	
		Saugor Island	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'07	86'50	
		Tumlook	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'12	70'75	
		Midnapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'95	72'21	
		Ghattal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'54	90'03	
		Devog	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	24-Pargunnahs	Heria	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Bhagwanpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Garbeta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Diamond Harbour	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'07	1'58	61'35	
		Canning Town	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Alipore Jail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'18	62'40	
	Howrah	Harrackpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'05	61'17	
		Dum-Dum	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'04	1'18	64'21	
		Baraset	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'06	58'19	
		Buseerhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'63	0'88	61'20	
		Howrah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'54	53'70	
		Mohesreka (Ooloberiah.)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'19	68'50	
	Hooghly	Serampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'11	60'75	
		Hooghly	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'21	63'35	
		Jehanabad	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'32	84'66	
		Culina	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'53	58'87	
		Burdwan	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'44	51'07	
		Cutwa	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'21	55'41	
	Burdwan	Mankur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Raneegunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'86	73'61	
	Bankoora	Bankoora	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'97	67'93	
		Rishenpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'99	74'10	
		Maliara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'34	63'27	
		Khatra	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'29	76'93	
		Indas	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	67'63	
		Kotapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	76'09	
	Heerboom	Anda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	59'02	
		Gangajalghati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	61'77	
		Raipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Sonamukhi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	66'28	
		Bh. Soory	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'01	0'73	53'50	
		Hetampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'75	57'63	
	Nuddea	Rampore Haut	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'05	66'42	
		Boipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Ranaghat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3'40	1'89	64'39	
		Kishnaghat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'17	1'85	55'94	
		Choodanga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'89	63'05	
		Meherpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'02	1'90	59'21	
	Khoolna	Kooshtea	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'28	1'97	62'83	
		Satkira	.....	.....	0'57	.....	.....	.....	.....	1	0'37	3'13	1'56	7'?	
		Bagirhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'97	2'41	66'67	
		Khoolna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'72	2'17	63'34	
		Narail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'18	2'04	45'12	
		Jessore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'25	2'28	67'54	
EAST BENGAL	Jessore	Jhenidah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2'50	55'70	
		Magoorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2'59	63'68	
		Bongong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'80	1'76	66'56	
	Moorshedabad	Kandi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'15	1'17	55'29	
		Berhampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'29	1'12	51'43	
		Lalbagh	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'18	0'93	54'43	
		Azimkunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'15	1'13	53'55	
		Jungipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'28	0'88	47'65	
		Lalgolah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'13	0'85	?	
	Chittagong	Cor's Bazar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'95	1'24	176'56	
		Chittagong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'23	1'93	106'73	
		Kutubdia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	?	?	?	
		Satkanya	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	?	?	?	
		Rangamati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2'91	2'21	71'60	
		Ruma	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2'85	2'81	90'46	
	Chittagong Hill Tracts, Hill Tipperah	Agartola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5'97	2'61	71'98	
		Backergunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'53	108'29	
		Patuakhali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'85	1'74	73'39	
		Peronopore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'77	2'31	85'34	
		Burrisal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'68	2'80	99'16	
		Bhola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	?	?	?	

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 23rd of April 1886—contd.

District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1885.	Average rainfall from 15th May 1885 to date.
		Saturday, 17th April.	Sunday, 18th April.	Monday, 19th April.	Tuesday, 20th April.	Wednesday, 21st April.	Thursday, 22nd April.	Friday, 23rd April.	Number of rainy days.	of rainfall week.				
Noukholly	Gournaddi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'43	?	?	?
	Bauphal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'52	?	?	?
	Noukholly	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	9'44	2'34	114'92	116'77
	Harisporo (Sondip).	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5'78	2'66	105'42	115'26
Furriedpore	Ramganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5'12	?	?	?
	Mauaripore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3'05	?	?	?
	Furriedpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'21	2'77	6'13	62'69
	Gonjundo	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'19	2'42	68'48	64'38
Dacca	Munshingunge	.....	0'02	.....	.....	.....	.....	.....	Nil	Nil	0'22	2'27	69'01	58'89
	Dacca	.....	.....	.....	.....	.....	.....	.....	1	0'01	5'12	3'51	68'77	79'31
	Narainchunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	6'29	2'83	65'62	63'46
	Munickchunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4'24	?	?	?
Tipperah	Joydebpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3'47	2'29	75'61	54'61
	Comilla	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2'44	?	?	?
	Chandpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5'25	3'56	93'90	83'71
	Brahmunberia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2'95	3'59	83'69	89'46
Mymensingh	Ramchandra-pore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	6'10	3'15	72'22	72'11
	Nasirnagar.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	7'76	?	?	?
	Laudkandi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	7'89	?	?	?
	Kasba	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3'42	?	?	?
Laksham	Laksham	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5'13	?	?	?
	Kishoreganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5'28	?	?	?
	Atia (Tangail)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2'98	2'84	73'20	77'12
	Mymensingh	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2'90	1'77	64'57	63'49
Pubna	Jamaloore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'83	2'63	75'01	80'53
	Netrokona	.....	.....	0'14	.....	.....	.....	.....	Nil	Nil	1'02	1'97	67'92	70'24
	Subornakhal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'65	?	?	?
	Largapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'55	?	?	?
Seraingunge	Seraingunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2'00	?	?	?
	Pubna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'98	?	?	?
	Seraingunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'19	2'05	65'37	58'26
	Seraingunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'29	1'61	69'62	56'07
Sherpore	Sherpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'42	0'99	51'96	62'69
	Nowshilla	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'55	1'03	55'70	56'40
	Sherpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'37	1'63	55'55	63'40
	Chanchibi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'12	57'53	55'19
Bentileah	Bentileah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'00	0'88	49'74	55'08
	Natore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'14	1'46	62'61	57'63
	Nowgong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	60'03	?
	Lalporo	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
Manda	Manda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Maldah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'72	61'28	52'01
	Chanchal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	39'40	?
	Gajol	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
Sibganj	Sibganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Mohadebpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'02	53'59	57'80
	Churamon	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'28	58'88	50'30
	Ragunee	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'59	55'48	55'04
Dinagore	Dinagore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'12	67'99	64'01
	Baloorkhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	56'16	?
Bhawanigunge	Bhawanigunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'38	1'61	60'92	65'59
	Gyabanda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'56	1'73	73'15	78'09
	Kunipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2'35	2'45	80'07	77'54
	Kurigram	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'69	68'11	80'34
Bagadga	Bagadga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'65	?	?	?
	(Niphamari)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'31	2'89	118'71	120'47
	Ulupore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'60	?	?	?
	Al-pore Doar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'46	?	?	?
Fallacatta	Fallacatta	.....	.....	.....	.....	.....	.....	.....	0'20	1	0'20	?	?	?
	Dumaita	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2'29	1'99	96'91	101'07
	Cooch Behar	.....	.....	.....	.....	.....	.....	.....	1	0'59	0'65	3'65	123'32	123'39
	Miekhigunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2'07	100'47	100'47
Matabhanga	Matabhanga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'50	2'38	104'03	125'14
	Buxa	.....	.....	.....	0'39	0'56	.....	.....	3	2'09	3'09	6'15	177'45	203'45
Silliguri	Silliguri	.....	.....	.....	.....	0'02	.....	.....	1	0'01	0'28	?	91'35	?
	Darjeeling	.....	.....	.....	.....	0'38	0'23	.....	2	0'61	1'18	3'17	127'29	114'01
Kalimpong	Kalimpong	.....	.....	.....	1'01	0'08	0'12	.....	3	1'21	1'37	?	90'60	?
	Kissengunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'66	57'50	60'38
	Arrarean	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'91	53'06	64'40
	Purnean	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'72	53'39	61'80
Gondwara	Gondwara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Balaranpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Mattari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Kotiaganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
Madaipore	Madaipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'49	42'12	50'40
	Souppol	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'38	41'30	45'02
	Protadganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Protadganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
Tajpore	Tajpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'20	52'88	41'48
	Durbunga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'38	56'49	45'02
	Madhubani	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'02	43'49	45'12
	Bahera	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
Koshera	Koshera	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Sitamarhi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'77	54'11	41'92
Mozufferpore	Mozufferpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'34	41'39	45'74
	Haidpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'12	38'91	42'48
	Fara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Makna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
Sunkar	Sunkar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Supri	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
Motihari	Motihari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'83	57'09	43'47
	Bettich	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'40	53'84	48'86
	Bagaha	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Burnpur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 23rd April 1886—continued.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1885.
			Saturday, 17th April.	Sunday, 18th April.	Monday, 19th April.	Tuesday, 20th April.	Wednesday, 21st April.	Thursday, 22nd April.	Friday, 23rd April.	Number of rainy days.	Rainfall week.			
NORTH BEHAR—continued.	Saran	Gopalganj	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.08	32.03
		Saran	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.19	47.60
SOUTH BEHAR	Shahabad	Chaurah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.17	48.57
		Buxar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.15	44.99
		Dehree	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	47.98
		Bhuboah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.07	40.95
		Sasseram	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.13	39.77
		Arran	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.19	47.17
		Mohania	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
	Gya	Aurungabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	58.52
		Gya	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	58.19
		Nowadah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.22	44.35
		Jehanabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.14	47.09
		Arwal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Jaudnagar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Sherghati	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Kajauli	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Pakri Barawan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
	Patna	Patna	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.22	41.89
		Dinapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.23	43.95
		Behar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.19	40.84
		Barra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.08	30.75
	Monohyr	Begoozeri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	47.70
		Monohyr	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.28	40.18
		Jamui	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.39	48.59
		Gopri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
	South Bhagalpore.	Sheikpura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Bhagalpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.61	54.28
		Banks	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.41	47.01
		Koibong	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
	Sonthal Per-gunnah.	Rajmahal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.81	63.06
		Godda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.26	48.82
		Pakour	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.26	55.36
		Nya Doonka	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.73	61.68
		Deognur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.56	73.71
		Jamtara	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.43	60.39
		Simra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Namhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
CHUTIA NAG-PUR.	Hazaribagh	Pachamba (Girdi)	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.39	76.95
		Hazaribagh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.24	60.29
		Semragurh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.04	60.74
		Manudi Hills	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.03	40.91
		Jhoomrah Hills	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	81.60
		Barhi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Chatra	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Karagdeha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Kamghar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Lohardugga	Lohardugga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	59.27
			Ranchi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.48	54.90
			Paimow	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.25	55.46
			Silli	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
			Balumat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Hossewabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Gurwah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
	Singbhoom	Chyebassa	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.06	54.90
		Chakradhar-pore.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Ghatsilla	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Baharagura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
	Manbhoom	Purulia	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.71	57.27
		Gobinapore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.50	40.07
		Raghunath-pore.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Barrabhoom	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Jhaida	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?
		Chas	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 27th April 1886.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 23RD OF
APRIL 1886.**

THE meteorological conditions for the past week have been particularly simple. Hot dry weather has prevailed in all divisions except the hill districts of North Bengal, where a few showers of rain only have fallen. Dry westerly winds have been blowing at almost all the western stations, rather strong south-westerly and southerly winds at the southern and central stations, while a few of the stations in North Bengal and North Behar have reported easterly and south-easterly winds. With the increasing altitude of the sun and with the absence of rain, temperature has been steadily rising in most districts almost throughout the week, while a corresponding but less marked decrease of pressure has been generally registered. Consequently the weather conditions for the week have been typical of the hot season.

The mean pressure over the province during the previous week showed a defect of no less than 0.093" from the normal. For the present week the changes which have taken place have been almost entirely of the normal oscillating character, though there has been a steady upward tendency, and their effect has been on the whole to increase the general pressure. At this season of the year however as a rule pressure gives way steadily, and therefore this movement is the reverse to normal and the previous defect has been more than counterbalanced. For the whole week however for the province the mean pressure has been in excess of the normal by about 0.023 "

Temperature on the other hand has risen very rapidly, and the mean temperature of the province for the week is about 1.5° in excess of the normal. All divisions of the province show an excess temperature; but while the excess in Orissa, East Bengal and South Behar is comparatively small, the excess in South-West Bengal, North Behar, and Chutia Nagpore is large and amounts to between 2° and 3°. Some very high maximum temperatures have been reported during the week: the highest has been 109.1° on the 22nd and 23rd at Bankoorah. Temperatures between 108° and 109° have been also reported from Raneegunge, Midnapore, Arrah, Gya, and Bankipur, and between 106° and 108° at Cuttack, Burdwan, Berhampur, Buxar, Nya Doomka and Chyebassa. The highest temperature at Calcutta has been 103.5°.

Rainfall, as has been previously stated, has been practically absent over the whole province, except at a few stations in the hills in North Bengal, where some heavy showers have been reported, and at one or two isolated stations such as Sakkhira and Netrokona, where slight showers have fallen. These however are of such slight importance that the province may for all practical purposes be said to have been rainless for the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 23rd of April 1886:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.								RAINFALL.							
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1885.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	106.4	73.8	94.5	77.0	85.8	+0.4	Nil	0.34	-0.34	0.0	0.9	-0.9	0.04	1.18	48.47	58.07
South-West Bengal	109.1	73.3	101.8	76.5	89.7	+2.7	Nil	0.56	-0.56	0.0	1.1	-1.1	0.34	1.34	63.52	54.97
East Bengal	99.0	72.1	92.9	76.0	84.0	+0.2	Nil	1.01	-1.01	0.0	1.7	-1.7	3.10	2.49	85.01	81.90
North Bengal	105.4	84.9	100.2	72.2	86.2	—	Nil	0.71	-0.71	0.0	1.3	-1.3	0.54	1.59	71.95	74.37
North Behar	105.5	62.8†	102.1†	70.6†	80.4†	+2.7†	Nil	0.18	-0.18	0.0	0.4	-0.4	Nil	0.46	48.39	48.53
South Behar	108.4	66.5	103.2	73.6	88.4	+0.8	Nil	0.13	-0.13	0.0	0.4	-0.4	Nil	0.30	50.60	43.4
Chutia Nagpur	103.5*	68.7*	99.3*	73.9*	86.6*	+2.5*	Nil	0.13	-0.13	0.0	0.5	-0.5	Nil	0.32	59.61	59.08

* Purneah not included.
† Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 27th April 1886.

ALEXANDER PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

**Results of the Meteorological Observations taken at the Alipore Observatory from
18th to 24th April 1886.**

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 29 Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
886		°		Inches.	°	°		°	°	Inches	°	%			Inches.	
April	18th	149.2	10.4	29.762	86.6	97.4	21.0	76.4	78.8	0.881	75.4	72	SSW and variable ...	157	Nil	Chiefly clear, Δ
	19th	157.9	9.8	785	85.3	101.9	25.5	76.4	77.1	78.4	71.9	63	SW and S by W ...	113	"	Chiefly clear, Δ
"	20th	155.2	8.1	756	88.7	103.5	27.1	76.4	76.7	76.1	71.0	62	SSW and W ...	165	"	Clear, Δ
"	21st	152.5	10.9	776	86.7	103.2	27.0	76.2	78.9	88.5	75.5	72	SW by S and SSW ...	224	"	Clear, Δ
"	22nd	148.7	10.8	817	86.2	95.0	18.4	76.6	78.6	87.4	75.2	71	SSW ...	281	"	Clear, Δ
"	23rd	150.7	11.3	802	86.3	94.5	18.0	76.5	79.0	89.3	75.8	73	SW and SSW ...	285	"	Clear, Δ
"	24th	154.4	11.4	749	86.2	97.0	21.8	75.2	77.0	807	72.8	65	SW by S and SSW ...	282	"	Chiefly clear.

The mean pressure of the seven days	...	Inches.	29.777
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	...	29.745
The total number of hours of bright sunshine	...	Hours.	72.7
The maximum possible number of hours of sunshine	...	...	89.2
		°	
The mean temperature of the seven days	...	...	87.0
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	...	84.5
The extreme variation of temperature	...	...	28.3
The maximum temperature	...	...	103.5
		Miles.	
The highest velocity of the wind in one hour	...	...	18
		lbs.	
The highest pressure of wind on one square foot	...	...	1
		...	
The mean relative humidity	...	...	68
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	...	...	71
		Inches	
The total fall of rain from 18th to 24th April 1886	...	...	Nil
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	0.51
The total fall from 1st January to 24th April 1886	...	...	3.63
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	4.06

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h. 10h. 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph

The mouth of the rain-gauge is one foot above the ground, Δ dew.

A PEDLER,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE,
Calcutta, the 26th April 1886.

Results of the Thermometrical Observations taken at the Meteorological Office,
Chowringhee, from 18th to 24th April 1886.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1886.		°	°	°	°	°	Inches.	°	%	Inches.
April	18th	86.0	98.8	21.1	77.7	77.7	.839	73.9	67	Nil.
"	19th	88.1	102.8	25.0	77.8	76.4	.753	70.7	57	"
"	20th	88.5	103.8	26.0	77.8	74.0	.645	66.2	48	"
"	21st	85.8	102.2	24.9	77.3	77.2	.819	73.2	66	"
"	22nd	86.7	96.2	18.8	77.4	78.1	.861	74.7	70	"
"	23rd	86.0	96.8	19.2	77.6	79.1	.902	76.1	72	"
"	24th	86.1	96.8	20.8	76.0	77.8	.841	74.0	67	"

The mean temperature of the seven days ... 86.6

The extreme variation of temperature ... 27.8

The maximum temperature ... 103.8

The mean relative humidity ... 64%

The total fall of rain from 18th to 24th April 1886 ... Nil

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 26th April 1886.

A. PEDLER,
For Meteorological Reporter to the Govt. of India.

MEMORANDUM.

THE principal Municipalities in Bengal returned during the week ending 10th April 1886, the birth and death-rates of 18·8 and 24·8 per 1,000 of population; respectively, as opposed to 19·9 and 22·1 per 1,000 in the preceding week ending 3rd April, indicating a fair advance in the registration of deaths with a falling off in that of births.

2. These events were returned at the highest rates by the following Municipalities :—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Naraingunj	...	62·1	Puri	...	54·6
Beaulcah	...	49·9	Gya	...	44·4
Purneah	...	41·6	Purneah	...	41·6
Chittagong	...	32·9	Comillah	...	38·6
Gya	...	32·1	Beaulcah	...	36·8
			Serampore...	...	35·4
			Bali	...	35·1
			Mozufferpore	...	30·4

3. The mortality from the specific death causes stood as follows :—

				Ratio per mille during the weeks ending—	
				10th April 1886.	3rd April 1886.
Cholera	...	...	...	2·7	2·9
Small-pox	...	...	...	·03	...
Fever	...	...	...	10·2	8·4
Bowel-complaints	...	...	...	3·7	3·7
Injury	...	...	...	·4	·4
Other causes	...	...	...	7·8	6·7

indicating chiefly that the mortality from fever and from the maladies grouped under the head of "other causes" was much higher during the week under notice in comparison with that during the preceding week.

4. Excluding small-pox and injury, the casualty rates from which were nowhere conspicuously great, the remainder of the above-named diseases caused the highest mortality in the following Municipalities :—

Cholera.		Fever.		Bowel complaints.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Comillah	23·1	Purneah	34·6	Puri	12·6	Puri	16·8
Puri	21·0	Bali	24·6	Gya	10·3	Serampore	15·7
Howrah	9·7	Beaulcah	23·6			Bhagulpore	12·7
Hughli	6·7	Mozufferpore	20·7			Dacca	12·3
Gya	6·1					Gya	12·3
Suburbs of Calcutta	2·3					Suburbs of Calcutta	11·4

5. Under the heads of *Sex*, *Class* and *Age* the mortality stands as follows :—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	26·7	Christians	26·1	Under 1 year	195·6
Females	22·7	Hindus	26·6	1 year and under 5 years	35·1
Ratio of male deaths to every 100 female deaths	133	Mahomedans	21·0	5 " " 10 "	13·5
				10 " " 15 "	13·6
				15 " " 20 "	9·9
				20 " " 30 "	17·1
				30 " " 40 "	15·9
				40 " " 50 "	20·8
				50 " " 60 "	27·3
				60 years and upwards	56·8

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 26th April 1886.

MORTALITY ACCORDING TO—

DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.				DEATHS FROM—										DISEASE—		SEX.		Ratio of male deaths to every 100 female deaths.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		Males.	Females.	Total.	NUMBER OF —		RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male births to every 100 female births.	RATIO PER 1,000 OF POPULATION PER ANNUM.										DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					Males.	Females.	Total.	Cholera.		Small-pox.	Fever.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fever.	Bowel-complaints.	Injury.	Other diseases.	All causes.		Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Burdwan	Burdwan	18,063	16,017	34,080	5	9	14	7.6	13.7	21.4	55

* A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives remains as before, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "Age," the ratios under which have been omitted, inasmuch as the census of the Europeans, above alluded to, cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.

CIRCULAR AND EASTERN CANALS.

Approximate Return of the Traffic on the Circular and Eastern Canals for the week ending Saturday, the 24th of April 1886.

Number of boats.	Nature of cargo.				Weight of cargo.	Tollage.
					Mds.	Rs.
341	Rice and paddy	...	...	...	85,708	1,571
13	Jute	...	...	...	8,175	148
105	Firewood	...	...	...	65,300	929
808	Other articles	...	...	...	2,38,607	3,570
1,267	Total				3,97,790	6,213

Nalhati State Railway.

Statement showing Increases and Decreases in maundage of Staples carried over the line during the month of March 1886, as compared with the corresponding period of March 1885.

STAPLES.	1885.		1886.		1885.	1886.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
XXX. 1 & 2. Silk and silk cloth	...	26	...	31	26	31	5	...
XIV. 2. Edible grains	25	11	51	94	36	145	109	...
XXII. 1 & 3. Brass and bell-metal ware	9	2	14	5	11	19	8	...
XXXVIII. Sundries	153	54	141	46	207	187	...	20
XXX. 1 & 2. seeds of all sorts	78	7	13	120	85	133	48	...
XXXVIII. Revenue stores	34	5	...	5	39	5	...	34
VIII. 4. Piece-goods	41	2	35	...	43	35	...	8
VI. Coal	92	...	901	...	92	901	809	...
XXXIII. 1 & 2. Sugar and jaggree	10	...	9	...	10	9	...	1
XXVII. Salt	12	...	5	...	12	5	...	7
XXX. 1 & 2. Tusser cocoons	...	...	64	...	...	64	64	...
VII. Cotton	9	...	15	...	9	15	6	...
Total	4	107	1,248	301	570	1,549	1,049	70

INCREASE.

Edible grain	...	...	...	...	...	Tons.
This increase is due to fair crop in this year.	...	...	...	...	...	109
Seeds of all sorts	...	...	...	...	...	48
This increase is due to fair market price of linseed at Calcutta.	...	...	...	...	...	...
Coal	...	...	...	...	...	809
This increase is due to merchants not laying in stock during the rainy season as they used to do before; also to extensive brick-burning for repairs of buildings damaged by earthquake.	...	...	...	...	...	...

DECREASE.

Sundries	...	...	...	...	...	Tons.
This decrease is due to potatoes being carried by boat this year.	...	...	...	...	...	20
Revenue stores	...	...	...	...	...	34
This decrease is due to less stores carried this year.	...	...	...	...	...	...

NALHATI, the 19th April 1886.

R. G. MOOKERJEE, Manager.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 17th April 1886 on 1,515 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES	
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
Total traffic for the week...	252,796	2,73,324 10 0	27,79,517 20	6,81,751 14 3	18,547 13 6	9,73,624 5 9	66,333 1	115,175 0
Or per mile of railway	.....	180 6 7	.....	459 0 0	12 3 11	642 10 6	.....	.....
For previous 14 weeks of half-year ...	3,323,571	40,03,949 12 0	3,90,93,638 10	94,69,956 1 9	3,11,156 9 7	1,37,85,062 7 4	960,645 1	1,393,718 1
Total for 15 weeks ...	3,576,367	42,77,274 6 0	4,18,73,155 30	1,01,51,708 0 0	3,22,704 7 1	1,47,58,686 13 1	1,027,028 1	1,708,398 2
COMPARISON.								
Total for corresponding week of previous year ...	267,963 1	2,57,751 12 2	28,57,059 0	7,63,729 5 3	31,232 14 3	10,52,713 15 8	71,701	132,406
Per mile of railway corresponding week of previous year ...	.....	170 12 0	.....	505 15 2	20 11 1	697 6 3	.....	.....
Total to corresponding date of previous year ...	3,691,780 1	45,88,692 1 10	3,87,44,531 10	96,92,738 0 8	3,03,127 5 8	1,45,84,557 8 2	1,061,488	1,679,398

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 18TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			Total increase in 1886.	Total decrease 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
1,500 1	10,52,714	697	1,515	9,73,624	643	1,500 1	25,99,795	1,722	1,515	24,32,912	1,606	.....	1,68

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 17th April 1886 on 57 1/2 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES	
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
Total traffic for the week...	15,972	8,162 11 0	54,899 0	5,157 3 0	50 12 0	13,370 10 0	1,705	203
Or per mile of railway	279	142 1 3	954 10	90 2 7	0 14 2	233 12 0	.....	.....
For previous 14 weeks of half-year	175,612	96,265 8 0	7,15,759 10	50,697 13 0	816 2 6	1,47,779 7 6	26,089	10,574
Total for 15 weeks ...	191,584	1,04,428 3 0	7,70,568 10	55,855 0 0	866 14 6	1,61,150 1 6	27,794	11,377
COMPARISON.								
Total for corresponding week of previous year ...	11,129	4,911 13 6	66,916 30	5,373 9 0	59 7 3	10,344 13 9	1,396	998
Per mile of railway corresponding week of previous year ...	195	85 14 0	1,154 10	93 15 1	1 0 7	180 13 8	.....	.....
Total to corresponding date of previous year ...	2,87,443 1	1,16,647 13 7	8,90,200 10	58,500 4 0	1,063 10 0	1,76,211 11 7	25,746	14,241

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 18TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			Total increase in 1886.	Total decrease 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
57 1/2	10,345	181	57 1/2	15,371	234	57 1/2	29,378	514	57 1/2	35,599	622	6,221	.....

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 17th April 1886 on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,517	482 15 0	20,131 10	608 9 0	40 0 0	1,131 8 0	347	140	487
per mile of railway ...	.....	40 3 11	.....	50 11 5	3 5 4	94 4 8	.....	.....	.....
previous 14 weeks of half-year ...	36,073	6,122 4 0	6,69,938 20	7,0 3 11 0	352 14 0	13,558 13 0	2,875	3,778	6,653
Total for 15 weeks ...	38,590	6,605 3 0	6,30,119 30	7,672 4 0	392 14 0	14,670 5 0	3,222	3,928	7,150
COMPARISON.									
Total for corresponding week of previous year ...	2,235	395 7 1	18,587 30	578 12 0	284 0 9	1,258 3 10	182	197	379
per mile of railway corresponding week of previous year ...	.....	32 15 3	.....	48 3 8	23 10 9	104 13 8	.....	.....	.....
Total to corresponding date of previous year ...	37,092	6,387 3 11	3,93,493 0	7,638 8 0	987 5 3	13,613 1 2	2,698	2,461	5,099

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 18TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			Total increase in 1886.	Total decrease in 1886.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Rs.	Rs.
Rs. 1,259	Rs. 105	12	Rs. 1,132	Rs. 94	12	Rs. 2,800	Rs. 233	12	Rs. 2,576	Rs. 215	.....	.....	234

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 17th April 1886 on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	5,632	5,036 8 0	71,774 30	3,529 1 0	97 8 0	8,663 1 0	642	1,923	2,566
per mile of railway ...	.....	67 6 4	.....	47 2 11	1 4 10	115 13 1	.....	.....	.....
previous 14 weeks of half-year ...	80,742	69,599 12 0	11,97,634 10	49,674 15 6	1,595 5 9	1,20,780 1 3	18,588	15,925	34,513
Total for 15 weeks ...	86,374	74,636 4 0	12,69,409 0	53,304 0 6	1,602 13 9	1,29,443 2 3	19,201	17,848	37,049
COMPARISON.									
Total for corresponding week of previous year ...	5,040	4,304 12 5	72,299 30	2,917 7 0	107 3 3	7,329 6 8	1,169	973	2,142
per mile of railway corresponding week of previous year ...	.....	57 12 6	.....	39 2 7	1 7 0	98 6 1	.....	.....	.....
Total to corresponding date of previous year ...	93,953	79,897 13 4	14,12,151 10	66,716 10 3	2,276 11 9	1,48,891 3 4	16,031	19,788	35,819

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 18TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			Total increase in 1886.	Total decrease in 1886.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Rs.	Rs.
Rs. 3,329	Rs. 98	74½	Rs. 8,663	Rs. 116	74½	Rs. 20,796	Rs. 279	74½	Rs. 19,070	Rs. 255	.....	.....	1,726

TARKESWAR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 17th April 1886 on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	22,377	9,273 7 0	6,880 0	2,113 0	7 0 0	9,532 4 0	1,090	56	1,146
Or per mile of railway	.....	416 12 7	.....	11 5 1	0 5 0	428 6 8	.....	.....	.....
For previous 13 weeks of half-year	289,404	77,770 9 0	1,86,906 30	6,559 12 0	76 5 5	84,406 10 5	13,795	2,811	16,606
Total for 15 weeks	311,781	87,044 0 0	1,93,786 30	6,811 9 0	83 5 5	93,938 14 5	14,794	2,866	17,660
COMPARISON.									
Total for corresponding week of previous year	32,053	9,498 5 8	7,578 30	263 6 0	8 14 0	9,770 9 8	1,350	58	1,408
Per mile of railway corresponding week of previous year	.....	431 11 11	.....	11 15 7	0 6 5	444 1 11	.....	.....	.....
Total to corresponding date of previous year	344,824	93,927 3 7	3,23,968 10	6,688 3 0	114 9 0	1,00,729 15 7	16,661	6,291	22,952

Approximate Statement of gross receipts of the Tarkeswar Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 18TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22	9,771	444	22½	9,532	428	22	20,919	951	22½	19,490	876	.....	1,429

EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 10th April 1886 on 234 miles open, including C. and S. E. and Bengal Central Railway mileage.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated). Including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	81,393	41,239 0 0	3,43,748 0	46,288 0 0	4,637 0 0	86,164 0 0	7,294	11,005	18,299
Or per mile of railway	348	176 0 0	1,469 0	172 0 0	.....	348 0 0	.....	.....	.....
For previous 13 weeks of half-year	1,263,638	5,21,821 0 0	55,06,772 0	6,37,921 0 0	58,384 0 0	12,18,126 0 0	142,591	130,602	273,193
Total for 14 weeks	1,345,031	5,63,060 0 0	56,50,520 0	6,78,200 0 0	63,021 0 0	13,04,290 0 0	149,885	141,603	291,488
COMPARISON.									
Total for corresponding week of previous year	117,959*	51,074 0 0	2,92,729 0	38,236 0 0	10,225 0 0	69,535 0 0	11,313	8,739	20,052
Per mile of railway corresponding period of previous year	506	219 0 0	1,256 0	164 0 0	.....	383 0 0	.....	.....	.....
Total to corresponding date of previous year	1,569,132	7,26,261 0 0	43,47,304 0	5,67,331 0 0	4,04,940 0 0	16,98,532 0 0	169,808	130,062	300,000

* Due to the bathing festival at Goalundo.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 11TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 11TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
135	99,535	427	234	86,164	368	233	1,78,569	766	234	1,91,812	521	.....	50

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 10th April 1886 on 126 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	23,003	8,229 0 0	45,284 0	2,305 0 0	30 0 0	10,564 0 0	3,319	1,949	5,268
Or per mile of railway ...	183	65 0 0	359 0	18 0 0	.....	83 0 0	.....	.....	.....
For previous 13 weeks of half-year ...	318,408	1,13,033 0 0	4,91,058 0	25,881 0 0	333 0 0	1,39,247 0 0	42,357	24,218	66,575
Total for 14 weeks ...	341,501	1,21,262 0 0	5,36,342 0	28,186 0 0	363 0 0	1,49,811 0 0	45,676	26,167	71,843
COMPARISON.									
For corresponding week of previous year ...	27,081	8,680 0 0	47,487 0	1,877 0 0	24 0 0	10,581 0 0	4,195	1,183	5,378
Per mile of railway corresponding period of previous year ...	215	69 0 0	377 0	15 0 0	.....	84 0 0	.....	.....	.....
Total to corresponding date of previous year ...	342,133	1,35,178 0 0	3,81,307 0	25,302 0 0	481 0 0	1,60,961 0 0	59,368	14,845	74,213

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 11TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 11TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	10,581	84	126	10,564	83	126	23,646	188	126	15,333	127	.....	8,313

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs. A. P.
Approximate earnings for week ending 10th April 1886 ...	8,304 0 0
Corresponding week last year ...	11,164 0 0
Decrease ...	2,860 0 0
Receipts from 1st January to 10th April 1886 ...	1,01,544 0 0
From 1st January to 11th April 1885 ...	97,240 0 0
Increase ...	4,304 0 0
Miles.	
Miles open week ending 10th April 1886 ...	50½
Corresponding week last year ...	50½
Rs. A. P.	
Receipts per mile open week ending 10th April 1886 ...	163 10 0
Corresponding week last year ...	219 15 8
Decrease ...	56 5 8

SECRETARY'S OFFICE, Darjeeling, the 17th April 1886.

W. STEVENSON, Secretary.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MAY 5, 1886.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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REPORT OF THE HEALTH OFFICER OF THE PORT OF CALCUTTA FOR 1885.

MARINE.

Darjeeling, the 27th April 1886.

RESOLUTION.

READ—

A letter No. 934RA, dated the 28th February 1886, from the Sanitary Commissioner for Bengal, submitting the Report of the Health Officer of the Port of Calcutta for 1885.

Dr. Lynch was the Health Officer of the Port of Calcutta throughout the year, and his report is forwarded by the Sanitary Commissioner.

2. During the year the Health Officer inspected 780 in-coming vessels, of which 646 were engaged in the foreign trade and 134 were coasters. The total number included 387 steamers and 393 sailing vessels, which, classified according to nationality, were 665 British, 39 French, 12 German, 6 Norwegian, 4 Swedish, 17 American, 9 Austro-Hungarian, 5 Italian, 1 Danish, 15 Arab and Turk, 4 Zanzibar, 2 Maldiva, and 1 Siamese. The crews amounted to a total of 35,879, of whom 18,989 were Europeans and 16,890 natives. The out-going vessels inspected were 626 in number, of which 551 were in the foreign and 75 in the coasting trade. They carried a total number of 15,332 European and 10,134 native seamen. Compared with

the previous year, the number of vessels inspected shows an increase; 715 in-coming and 482 out-going, or a total of 1,197 vessels, having been inspected in 1884. The increase is reported to be partly due to the new system introduced in September last of granting bills-of-health on board after inspection of vessels.

3. The health of the European seamen was exceptionally good during the year. The average number admitted into the hospital was 1,167 against an average of 1,254 for the five previous years. The death-rate, 23·6, fell also to nearly one-half of what it was in 1884. The mortality from cholera during the past year appears to have been the lowest ever recorded in the port, the ratio per mille being 4·13 against 21·37 in the previous year, and 19·91, the mean of the quinquennium 1880-84. The distribution of this disease on the river seems to very nearly coincide with its distribution on shore, and the decline in mortality from this cause among the seamen corresponds very closely with the figures for the whole town. There were no deaths from diarrhœa during the year, but there was an increased prevalence of dysentery as compared with the two preceding years, the death-rate being 3·54 against an average of 2·34 for the five previous years. Fevers were more numerous than in the previous years. There were three cases of small-pox, but none terminated fatally. The number of cases of sunstroke admitted into the hospital fell from 13 in 1884 to 5 in 1885, which shows that endeavours are made to prevent unnecessary exposure of sailors on board ships. There has been no increase of venereal disease among the European seamen, notwithstanding the withdrawal of the Contagious Diseases Act from Calcutta.

4. The total mortality afloat and in hospital among the native population of the port, numbered at 25,000 in the census of 1881, gave a rate of 4 per 1,000 as compared with 7 in 1884, the decrease being due to a falling off in the number of deaths from cholera. In 1884, 138 deaths from cholera occurred, while in 1885 the number fell to 59—a lower mortality than has been recorded in any year since 1880. Bowel-complaints were more numerous than in 1884. Fevers and small-pox, however, caused fewer deaths.

4. Thirteen cases of scurvy among European seamen, against 24 in 1884, were treated in the past year. The disease was in no case due to improper food or neglect of rules. Seven cases of scurvy were found on board a vessel from New York carrying a lascar crew. It appeared from enquiries made that the vegetables supplied to them were not in accordance with the terms of their agreement. They were, moreover, supplied with two indifferent and suspicious kinds of lime-juice—one containing an insufficient quantity of citric acid, and the other an excess over the authorized standard.

5. The sanitary condition of both banks of the river seems to have been to some extent unsatisfactory; but measures were taken for the removal of the more serious nuisances. A great number of floating bodies are still met with in the river. Last year 50 human bodies and 4,136 carcasses of animals were removed by the conservancy establishment of the River Police, against 86 bodies and 3,975 carcasses in the previous year. There were no complaints during the year regarding the quality of the filtered water supplied to the shipping by the Municipality, but the Health Officer objects to the manner in which the water is conveyed to the shipping. The attention of the Municipality will be called to the remarks made by him on the subject.

6. The usual inquiries were made as to the health and treatment of lascar crews. Only one case of ill-treatment was brought to notice, in which no lime-juice was supplied at sea to the crew of a sailing vessel, and compensation was subsequently made to the crew. The Compulsory Vaccination Act was, owing to the absence of small-pox in the port, and pending the passing of the new Act, not put in force.

7. The suggestion made by the Health Officer that it is inexpedient to withhold the bill-of-health in the case of a vessel carrying an excess number of passengers, when other and more obvious means of insisting on compliance with the provisions of the Native Passengers Ships Act are available, and his proposal to withdraw the discretionary power exercised by pilots under the Medical Inspection Rules, of bringing vessels carrying pilgrims into port, and allowing

the pilgrims to leave the vessel, should be made the subject of separate communications. The attention of the Port Officer will be drawn to the complaint made by the Health Officer regarding the insecurity of the boats which he and his Native Inspector have to employ in the performance of their duties.

8. The inspection of the native population afloat was in the hands of the Native Inspector, who is stated to have sought out cases of sickness and to have endeavoured to get the sufferers removed to hospital. He appears to have shown zeal and activity in his work.

9. The thanks of the Lieutenant-Governor are due to Dr. Lynch for his efficient supervision of the sanitation of the port during the past year.

By order of the Lieutenant-Governor of Bengal,

R. H. WILSON,

Offg. Secretary to the Government of Bengal.

BUDGET ORDERS FOR 1886-87.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

IRRIGATION ACCOUNTS.

No. 685 I.A., dated Calcutta, the 28th April 1886.

READ—

Government of Bengal, Financial Department, memorandum No. 584, dated 18th February 1886, showing the revised estimates for 1885-86 and the estimates for 1886-87 under the several heads of the Public Works Department as finally accepted by the Financial Department.

Government of India, Public Works Department orders No. 29 A.I., dated 23rd March 1886, on the Irrigation Branch, Bengal, budget estimate for the year 1886-87.

REMARKS.—The budget estimates of Irrigation and Navigation works for the year 1886-87 have been prepared in the revised forms issued with Public Works Department Circular No. X of 1886. They are of the following works:—

- (1) Irrigation and Navigation Productive Public works.
- (2) Irrigation and Navigation works not classed as Productive.

Irrigation and Navigation Productive Public Works

2. The following statement shows under the three main heads of "Water-rates," "Navigation," and "Miscellaneous," the revenues estimated to be realized in 1886-87 compared with the revised and budget estimates for 1885-86 and the actuals of 1884-85 from the "Productive" Irrigation Works:—

XXIX.—MAJOR WORKS (DIRECT RECEIPTS).

	Budget estimate, 1886-87.	Revised estimate, 1885-86.	Budget estimate, 1885-86.	Actuals, 1884-85.
PROVINCIAL.	Rs.	Rs.	Rs.	Rs.
<i>Orissa Canals.</i>				
Water-rates	1,00,000	1,00,000	1,20,000	51,245
Navigation	80,000	80,000	80,000	79,802
Miscellaneous	20,000	20,000	20,000	12,538
Total Orissa Canals ...	2,00,000	2,00,000	2,20,000	1,43,585
<i>Midnapore Canal.</i>				
Water-rates	1,00,000	1,00,000	1,10,000	1,16,807
Navigation	1,30,000	1,30,000	1,00,000	1,28,747
Miscellaneous	15,000	15,000	15,000	12,401
Total Midnapore Canal ...	2,45,000	2,45,000	2,25,000	2,57,955
<i>Hidgellee Tidal Canal.</i>				
Navigation	54,000	54,000	54,000	41,383
Miscellaneous	1,000	1,000	1,000	2,125
Total Hidgellee Tidal Canal ...	55,000	55,000	55,000	43,507
<i>Sone Canals.</i>				
Water-rates	7,30,000	7,50,000	6,00,000	7,70,359
Navigation	56,000	56,000	70,000	51,761
Miscellaneous	44,000	44,000	30,000	40,354
Total Sone Canals ...	8,30,000	8,50,000	7,00,000	8,62,474
GRAND TOTAL ...	13,30,000	13,50,000	12,00,000	13,07,521

3. The revised estimate for 1885-86, compared with the budget estimate for that year, shows an increase of Rs. 1,50,000, principally due to increased

It is now known that the collections in the Sone Canals will be in excess of the revised estimate, a considerable portion of "arrears" having been realized; this may still further reduce the collections for the current year.

Capital expenditure on Public Works (not charged against Revenue).

48.—IRRIGATION.

42.—MAJOR WORKS (WORKING EXPENSES).

PROVINCIAL.				Rs.	Rs.	Rs.	Rs.	
* IRRIGATION AND NAVIGATION.								
DIRECT CHARGES. *								
Orissa Canals.								
Repairs and maintenance ...	...	...	...	2,00,000	2,20,000	1,80,000	2,03,137
Establishment ... {	Engineering	...	...	46,000	50,600	41,400	50,958
	Revenue	...	...	53,900	53,800	53,836	46,397
Tools and plant	...	...	...	15,100	20,200	19,364	15,167
Refunds of revenue	...	...	...	.....	.....	.....	78
Total Orissa Canals				...	3,15,000	3,44,600	2,94,600	3,15,737

MAJOR WORKS (WORKING EXPENSES)—concluded.

	Budget estimate, 18-6-87.	Revised estimate, 1885-86.	Budget estimate, 1885-86.	Actuals, 1884-85.
PROVINCIAL—concluded.	Rs.	Rs.	Rs.	Rs.
IRRIGATION AND NAVIGATION—concluded.				
DIRECT CHARGES—concluded.				
Midnapore Canal.				
Repairs and maintenance	1,20,000	1,20,000	1,20,000	1,34,036
Establishment ... { Engineering	27,600	27,600	27,600	30,822
{ Revenue	35,200	34,800	34,840	31,613
Tools and plant	22,200	23,000	22,960	26,591
Refunds of revenue ... ..	.....	.....	.....	112
Total Midnapore Canal ...	2,05,000	2,05,400	2,05,400	2,23,174
Hidgellee Tidal Canal.				
Repairs and maintenance	30,000	35,000	50,000	26,962
Establishment ... { Engineering	6,900	8,050	11,500	6,178
{ Revenue	3,300	3,250	3,228	3,554
Tools and plant	800	2,700	5,272	292
Total Hidgellee Tidal Canal ...	41,000	49,000	70,000	36,886
Sone Canals.				
Repairs and maintenance	3,00,000	3,05,000	2,90,000	3,44,838
Establishment ... { Engineering	69,000	70,150	66,700	79,300
{ Revenue	1,63,800	1,59,850	1,40,696	1,46,193
Tools and plant	31,200	33,000	32,604	26,175
Refunds of revenue ... ..	.....	.....	.....	7,456
Total Sone Canals ...	5,64,000	5,68,000	5,30,000	6,03,961
GRAND TOTAL ...	11,25,000	11,67,000	11,00,000	11,79,758

5. The budget estimate of expenditure chargeable to the capital account of the works for the year 1886-87 has been prepared for Rs. 8,70,000, which is the amount sanctioned by the Government of India. Compared with the revised estimate for 1885-86, the decrease is but Rs. 10,000, and requires no explanation. The latter estimate, however, compared with the budget estimate for that year shews a reduction of Rs. 3,95,000, of which the bulk or Rs. 3,00,000 was withdrawn by the Government of India in May last from the grant for the Orissa Project, and the balance of Rs. 95,000 was surrendered by this Government in January last from the grants for the Midnapore and Sone Canals, not having been required for expenditure within the year.

6. The revised estimate for 1985-86 compared with the grant for that year on account of working expenses shows an increase of Rs. 67,000 due to increased expenditure for cyclone repairs to the Orissa Canals and for repairs to the Sone weir damaged by the heavy floods.

7. The two following statements give the details of the budget estimates of receipts and expenditure—Imperial and Provincial—for the year 1886-87, compared with the revised and budget estimates for 1885-86 and the actuals of

1884-85, on account of Irrigation and Navigation works not classed as Productive.

IRRIGATION.

XXX.—MINOR WORKS AND NAVIGATION.

	Budget estimate, 1886-87.	Revised estimate, 1885-86.	Budget estimate, 1885-86.	Actuals, 1884-85.
<i>DIRECT RECEIPTS.</i>	Rs.	Rs.	Rs.	Rs.
IMPERIAL.				
AGRICULTURAL WORKS.				
<i>Works for which neither Capital nor Revenue Accounts are kept.</i>				
Government embankments	4,500	4,500	3,000	3,919
Total Imperial	4,500	4,500	3,000	3,919
PROVINCIAL.				
<i>Works for which Capital and Revenue Accounts are kept.</i>				
Sarun Canal	25,000	26,000	26,000	9,341
Calcutta and Eastern Canals	5,70,000	5,60,000	5,60,000	5,69,726
Orissa Coast Canal	15,000	10,000	.....	.....
Total	6,10,000	5,96,000	5,86,000	5,79,067
<i>Works for which neither Capital nor Revenue Accounts are kept.</i>				
Nuddea Rivers	2,00,000	2,00,000	2,10,000	1,95,457
Eden Canal	1,000	1,000	1,000	475
Tidal Creeks ... ..	.....	.....	.....	1
Tuccavee embankments under contract	3,000	3,000	3,000	2,818
Total	2,04,000	2,04,000	2,14,000	1,98,751
Total Provincial	8,14,000	8,00,000	8,00,000	7,77,818

FAMINE RELIEF AND INSURANCE AND IRRIGATION.

<i>DIRECT CHARGES.</i>	Rs.	Rs.	Rs.	Rs.
IMPERIAL.				
FAMINE RELIEF AND INSURANCE.				
35.—Construction of Protective Irrigation Works.				
Grants-in-aid for the Orissa Coast Canal.				
Works ... ..	.....	66,700	.....	3,21,950
Establishment ... ..	.....	15,300	.....	74,050
Tools and Plant ... ..	.....	.....	.....	4,000
Total Protective Works ... ..	.....	82,000	.....	4,00,000
IRRIGATION.				
43.—Minor Works and Navigation.				
CAPITAL ACCOUNT.				
Damoodur Project ... ..	.....	.....	.....	3,268
Total Capital ... ..	.....	.....	.....	3,268

IRRIGATION.

	Budget estimate, 1886-87.	Revised estimate, 1885-86.	Budget Estimate 1885-86.	Actuals, 1884-85.
<i>DIRECT CHARGES</i> —concluded.	Rs.	Rs.	Rs.	Rs.
AGRICULTURAL WORKS.				
WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.				
<i>Works.</i>				
Orissa Circle	5,000	12,000	15,000	26,376
South-Western Circle	40,000	90,000	90,000	} 1,83,342
Other embankments ... ..	.....	3,000	10,000	
Works for the improvement of Government Estates (Expenditure) by Civil Officers	40,000	42,000	42,000	
Reserve	25,000	.....	32,000	....
Total Works	1,10,000	1,47,000	1,89,000	2,09,718
<i>Repairs and Maintenance.</i>				
Orissa Circle	95,000	1,33,000	1,40,000	1,04,973
South-Western Circle	1,85,000	1,94,000	2,15,000	2,14,523
Other embankment and reserve	40,000	26,000	39,000	23,431
Total Maintenance	3,20,000	3,53,000	3,94,000	3,42,927
Establishment at 23 per cent. on Rs. 3,90,000 (4,30,000—40,000)	89,700	1,05,340	1,25,430	1,18,668
Tools and Plant	11,300	11,160	31,570	11,396
Suspense accounts ... ..	...	.....	.....	7,692
Total Agricultural Works	5,31,000	6,16,500	7,40,000	6,90,401
Total Imperial	5,31,000	6,98,500	7,40,000	10,93,669

PROVINCIAL.	Rs.	Rs.	Rs.	Rs.
CAPITAL ACCOUNT.				
<i>Calcutta and Eastern Canals.</i>				
Works	8,000	.....	20,000	(—)5,707
Establishment	1,840	.....	4,600	(—)1,313
Tools and plant	160	.....	1,400	24,042
Suspense account ... ..	.....	.....	.....	(—)7,825
Total Calcutta and Eastern Canals	10,000	.....	26,000	9,197
<i>Orissa Coast Canal.</i>				
Works	2,62,000	3,33,000	3,00,000	1,85,452
Establishment	60,260	76,590	69,000	42,652
Tools and plant	12,740	24,410	15,000	7,243
Suspense accounts ... ..	.....	.....	.....	(—)43,102
Total	3,35,000	4,34,000	3,84,000	1,92,245
Less receipts on capital account ... ..	.....	.....	.....	1,373
Net total Orissa Coast Canal	3,35,000	4,34,000	3,84,000	1,90,872
<i>Sarun Canal.</i>				
Works ... ..	.....	2,000	10,000	993
Establishment ... ..	.....	460	2,300	229
Tools and plant ... ..	.....	540	700	368
Suspense accounts ... ..	.....	.....	.....	.....
Total Sarun Canal ... ..	.....	3,000	13,000	1,590
Total Capital Account	3,45,000	4,37,000	4,23,000	2,01,659

	Budget estimate, 1886-87.	Revised estimate, 1885-86.	Pudget estimate, 1885-86.	Actuals, 1884-85.
PROVINCIAL—concluded.	Rs.	Rs.	Rs.	Rs.
REVENUE ACCOUNT.				
<i>Calcutta and Eastern Canals.</i>				
Extensions and improvements ... ..	.....	.....	.....	78,575
Repairs and maintenance	1,00,000	1,00,000	1,20,900	99,262
Establishment ... { Engineering	23,000	23,000	27,600	40,848
{ Revenue	48,000	49,000	48,193	52,165
Tools and plant	16,000	18,000	4,204	7,342
Total Calcutta and Eastern Canals ...	1,87,000	1,90,000	2,00,000	2,78,192
<i>Orissa Coast Canal.</i>				
Repairs and maintenance	10 000	23,000	.....	.....
Establishment ... { Engineering	2,300	5,290	.....	.....
{ Revenue	1,800	1,210	.....	.....
Tools and plant	1,900	500	.....	.....
Total Orissa Coast Canal ...	16,000	30,000	.....	.....
<i>Sarun Canal.</i>				
Repairs and maintenance	20,000	20,0 0	22,000	19,983
Establishment ... { Engineering	4,600	4,600	5,060	4,596
{ Revenue	1,000	900	1,000	.....
Tools and plant	1,400	500	540	371
Total Sarun Canal ...	27,000	26,000	28,600	24,950
Total Revenue Account ...	2,30,000	2,46,000	2,28,000	3,03,142
WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.				
<i>Works,</i>				
Eden canal	13,000	20,000	20,000	19,888
Tour canal ... ..	.....	5,000	5,000	145
Orissa tidal creeks	7,000	1,000	5,000	9,581
Gunduck tuccavee embankments under contract	.....	.....	.....	24,762
Midnapore tuccavee embankments under contract	.....	.....	.....	467
Nuddea rivers ... ..	.....	.....	.....	30
Reserve	15,000	2,000	20,000	.....
Total ...	35,000	28,000	54,000	54,873
<i>Repairs and Maintenance.</i>				
Eden Canal	15,000	16,000	16,000	15,821
Tour "	3,000	2,000	2,000	1 848
Nuddea Rivers	45,000	45,000	60,000	60,790
Midnapore tuccavee embankments under contract	35,000	47,000	32,000	29,437
Gunduck ditto ditto ditto ...	40,000	48,000	48,000	85,876
Reserve	12,000	.....	16,000	.....
Total ...	1,50,000	1,58,000	1,74,000	1,93,772
Establishment ... { Engineering	42,550	42,780	52,440 }	63,971
{ Revenue	22,450	22,220	22,670 }	
Tools and Plant	15,000	8,500	17,290	2,848
Suspense accounts ... ..	.....	.....	.....	(-)4,093
Total works for which neither Capital nor Revenue accounts are kept.	2,65,000	2,59,500	3,20,400	3,11,371
Total Provincial ...	8,40,000	9,42,500	9,72,000	8,16,172

8. The estimate of receipts is the same as in the preliminary issue, and shows, compared with the revised estimate for 1885-86, a slight increase of Rs. 14,000 under Provincial due to probable enhancement from the Calcutta and Eastern Canals and Orissa Coast Canal lately partially opened.

9. The estimate of expenditure in the final issue has been altered, and the amounts shewn are those sanctioned, viz. Rs. 5,31,000 for Imperial Agricultural works, which is less than the provision in the preliminary issue Rs. 34,000, and Rs. 8,40,000 for Provincial works as fixed in the Financial Department memorandum No. 584, dated 18th February last, which is Rs. 85,000 less than the amount in the preliminary issue accepted by the Government of India.

10. The statements of revenue and expenditure as given in the orders of the Government of India include certain sums on account of works in charge of civil officers. These sums have not been included in the foregoing statement, not being shown in the budget estimate of the Irrigation Branch.

11. With reference to the remark of the Government of India, requesting an early report explaining the steps that are being taken for the preparation of a revised estimate for the Orissa Coast Canal, an estimate giving full information, together with a supplementary estimate for the Hidgellee Tid Canal, was submitted in March last.

12. Superintending Engineers are expected to be careful that no expenditure is incurred without properly sanctioned estimates.

Ordered that a copy of this Resolution, together with thirty-five copies of the budget estimates (final issue), be forwarded to the Government of India, for information.

Ordered also that copies of this Resolution and of the orders of the Government of India, together with the budget estimates, be forwarded to the Financial Department of this Government and the Accountant-General of Bengal, for information; also to the Superintending Engineers of the Orissa, South-Western and Sone Circles, and the Examiner of Public Works Accounts, Bengal, for information and guidance.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, Col., R.E.,

Joint-Secretary to the Govt. of Bengal.

P. W. Dep

RESOLUTION ON THE REPORT ON ROAD AND PUBLIC WORKS CESS OPERATIONS FOR THE CESS YEAR 1884-85.

FINANCIAL DEPARTMENT—ROAD AND PUBLIC WORKS CESS.

Dated Darjeeling, the 1st May 1886.

RESOLUTION.

READ—

The Report of the Board of Revenue on Road and Public Works Cess operations for the cess year 1884-85, terminating on the 30th September 1885.

Read also—

The Report for 1883-84, and the Resolution recorded upon it.

THE Lieutenant-Governor regrets to notice the want of punctuality in the submission of the Commissioners' reports to the Board. On the present occasion, none of these were received by the Board till after the prescribed date, the 15th January; while that of the Commissioner of Burdwan had not been received by the 1st March, when the Board's report was submitted. Greater punctuality must be observed in future, and an explanation should be submitted of the extraordinary want of punctuality in the Burdwan Division.

2. No change was made in the rate at which either of the cesses is levied, the maximum rates having been levied in all the districts in which the Act is in force except Backergunge, where, as hitherto, the road cess was levied at half rates. The statement below compares the results of the year with those of the three preceding years:—

	DEMAND.			BALANCES.			Deduct remissions.	Net arrears.	Percentage of net balance on gross demand.
	Current.	Arrear.	Total.	Current.	Arrear.	Total.			
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1881-82	70,10,994	11,71,062	81,82,056	9,54,818	1,92,233	11,47,051	10,941	11,36,100	13.8
1882-83	73,10,811	11,42,296	84,53,107	10,06,330	1,77,390	11,83,720	27,940	11,55,780	13.7
1883-84	73,75,697	12,60,272	86,35,969	13,56,778	2,64,196	16,20,974	26,965	15,93,981	18.4
1884-85	74,36,830	15,63,317	90,00,147	11,60,097	3,07,191	14,67,288	38,657	14,28,631	15.8

The current demand of the year rose to Rs. 74,36,830 from Rs. 73,75,697 in 1883-84. This increase is explained to be due to revaluations and the valuation for the first time of rent-free holdings under the provisions of Chapter IV, Part II of the Act. The gross demand, which was Rs. 86,35,969 in the previous year, increased to Rs. 90,00,147. Nevertheless, there was an improvement in the net outstanding balance at the close of the year, which fell from Rs. 15,93,981 to Rs. 14,28,631, representing a reduction from 18.4 to 15.8 in the percentage on the gross demand. The arrear balance, however, rose from Rs. 2,64,196 to Rs. 3,07,191, and this must be regarded as unsatisfactory, although it was partly due to the larger arrears with which the year opened. The Lieutenant-Governor is glad to notice that the percentage of arrear collections on arrear demand rose from 71 to 80, and he hopes that district and divisional officers will bear steadily in mind the sound dictum of the Board that "the absence of an arrear demand is the best evidence of efficient collections, and that a Collector's first attention should be given to the adjustment of arrear balances." The figures in the last column of the above statement show that the standard of the year was still below that of 1881-82 and 1882-83. This is explained as due partly to the growth of the gross demand, and partly to the distress caused by the floods in many districts. The Lieutenant-Governor is unwilling to acknowledge the first cause as a reason for an increase in the net balance relatively to the gross demand, and he hopes that the Board will be able to overcome it by increased vigilance. The second cause is valid, and justifies some postponement of collections. As affecting the question of unrealised balances, it is recognised that the provision of section 45 of the Act, which allows 15 days' grace after the latest date for payment, will always throw the payments due in the last quarter ending on the 28th September into the next year. The results of operations as regards collections between October and the end of December 1885 are shown in paragraphs 16 to 18 of the Board's report, and indicate considerable reductions in outstanding balances.

3. Proceeding to details, the collections are subjected by the Board to the three tests prescribed by Government to measure the success or failure of the year's operations, viz.—(1) comparison of the arrear collections with arrear balances; (2) comparison of current collections with net current demand; and (3) comparison, of advance payments with those made in the previous year. In the following districts the arrear collections were less than 90 per cent. of the arrear demand:—

				Percentage of arrear collection on arrear demand.	Percentage of current collection on current demand.
Burdwan	...	...	...	43·	81·9
Moorshedabad	...	...	...	59·1	87·9
Hooghly	...	...	...	61·3	70·6
Bankoora	...	...	...	63·5	86·9
Cuttack	...	...	...	69·2	90·6
Balasore	...	...	...	69·9	85·7
Durbhunga	...	...	...	70·6	86·9
Furreedpore	...	...	...	74·6	63·7
Mozufferpore	...	...	...	75·6	77·6
Shahabad	...	...	...	81·2	79·1
Backergunge	...	...	...	81·3	71·3
Bhagulpore	...	...	...	81·5	91·4
Maldah	...	...	...	85·1	83·4
Patna	...	...	...	86·6	80·3
Monghyr	...	...	...	86·6	87·4
Midnapore	...	...	...	87·1	68·1
Pubna	...	...	...	87·8	90·5
Dacca	...	...	...	89·1	72·1
Nuddea	...	...	...	89·5	87·2

Of these 19 districts, 16 are the same as those which appeared in the list last year. Chittagong has gone out, and Backergunge, Maldah, and Pubna have been added. In Pubna, however, the arrears were small and the current collections good, having been 90·5 per cent. on the demand. In the resolution recorded last year, it was noticed that collections had been unfavourably affected in the districts of Burdwan and Hooghly by the inclusion of three years' arrear demand from petty lakhiraj holdings brought for the first time under assessment under section 70 of the Act. The same cause was at work during the year under review. The arrear collections in Burdwan showed some improvement, having risen from 33·3 to 43 per cent., but in Hooghly the percentage fell from 63·4 to 61·3. At the same time, however, there was an improvement in the current collections in both districts. The Lieutenant-Governor will await the explanation called for by the Board regarding certain orders said to have been passed by the Commissioner, the effect of which has been to stop the collection of Rs. 87,774 in Burdwan. The failure of the Burdwan Raj Estate, which is now under the Court of Wards, to pay in a large sum within the year, is mentioned as a further cause of the very unsatisfactory collections in that district. No explanation is given of this failure. In Nuddea and Pubna also the collections are said to have been affected by the inclusion of the three years' demand. In the former district the inundations, too, appear to have prejudiced the collections, and this cause also operated in Moorshedabad. In Maldah and Bankoora the arrears are explained to be due to the inclusion of demands for rent-free tenures; in the latter district the usual excuse of default on the part of the sirdar ghatwals is also alleged; in Shahabad, Durbhunga, and Backergunge arrears are attributed to indifferent harvests; in Balasore to confusion in the cess towji accounts, regarding which a special enquiry is being made; and in the remaining districts to delays which are inseparable from the procedure for the realisation of the cesses.

4. Turning to the second test, viz. comparison of current collections with net current demand, the Lieutenant-Governor observes that the results were unsatisfactory in the following 26 districts in which the collections fell short of 90 per cent. of the demand, viz.—Furreedpore (63·7), Pooree (68·), Midnapore (68·1), Hooghly (70·6), Backergunge (71·3), Dacca (72·1), Sarun (74·4), Mozufferpore (77·6), Shahabad (79·1), Patna (80·3), Chumparun (80·7), Burdwan (81·9), Jessore (82·6), Maldah (83·4), Tipperah (84·3), Rajshahye (84·4), Gya (84·6), Beerbhoom (85·1), Balasore (85·7), Chittagong

(86·8), Bankoora (86·9), Durbhunga (86·9), Nuddea (87·2), Monghyr (87·4), Moorshedabad (87·9), and Khoolna (88·4). No explanation has been given of the unfavourable results in these districts, except Midnapore, Burdwan, and Hooghly. In the Patna and Dacca Divisions (except Mymensingh), and in Pooree collections were exceptionally bad; and the Lieutenant-Governor also observes that in the majority of these districts but little had been done by the 31st December 1885 to clear off the outstandings. Sir Rivers Thompson thinks that this point should receive the further attention of the Board. There were 12 districts, against 11 in 1883-84, in which the percentage on both the current and arrear demand exceeded 90 per cent. Rajshahye and Pubna have fallen out of the list this year, while Dinagepore, 24-Pergunnahs, and Rungpore have been added to it. The 12 districts are Purneah, Darjeeling, Hazaribagh, Noakholly, Dinagepore, 24-Pergunnahs, Julpigoree, Bogra, Mymensingh, Manbhoom, Lohardugga, and Rungpore. In the remaining three districts—Pubna, Bhagulpore, and Cuttack—the percentage on the current demand rose slightly above 90 per cent., but the arrear collections fell below that standard.

5. The advance collections made during the year amounted to Rs. 1,40,565 against Rs. 1,33,128 in 1883-84. The districts in which these collections exceeded Rs. 5,000 are Hooghly (Rs. 5,372), Dacca (Rs. 6,095), Mymensingh (Rs. 6,346), Gya (Rs. 6,527), Cuttack (Rs. 6,691), Mozufferpore (Rs. 7,298), Patna (Rs. 7,928), Burdwan (Rs. 9,168), Bhagulpore (Rs. 16,239), and Durbhunga (Rs. 31,638). In future years this comparison need not be regarded as a test of success, though the statement may usefully be submitted.

6. There was a slight increase in the number of certificates filed during the year under the Public Demands Recovery Act. From 74,674 in the previous year the number rose to 77,631, which, with the 39,147 pending at the close of that year, gave a total of 116,778 for disposal against 112,533 in 1883-84. Of these 78,385 were disposed of during the year, leaving 38,393 pending at its close. Except in the districts of Hooghly, Shahabad, Durbhunga, and Pooree, the number of disposals kept pace fairly with the number of institutions. Out of the total number of 78,385 certificates disposed of during the year, payment was made in 31,844 cases on the mere issue of notice, in 8,577 cases on the attachment of moveable property, and in 26,900 cases on the attachment of immoveable property. Of the remainder, 2,806 were struck off and 672 cancelled on objection, leaving 7,586 cases which were discharged without resort to issue of notices or attachment of property. It is reported that the sale of moveable or immoveable property was resorted to only in 426 cases. The total number of objections filed against certificates was 4,171, of which 3,906 were disposed of. In 672 cases the certificates objected to were, as already stated, cancelled, and in 426 cases the amount certified was reduced. The smallest number of certificates was filed in the Chota Nagpore Division, viz. 559; Rajshahye came next and then the Presidency Division, 3,601 having been filed in the former and 4,489 in the latter. The three Divisions in which the largest numbers were filed were Patna (28,232), Burdwan (14,857,) and Dacca (9,914).

7. Complete revaluations are in progress in the districts of Cuttack, Pooree, and Balasore; and sanction has been accorded to the commencement of complete revaluations in Gya and Chumparun. In Midnapore both valuation for the first time of certain estates and tenures, and revaluation of others, were made. The revaluations have resulted in a decrease of Rs. 14,023; while the valuations for the first time gave an increase of Rs. 11,233. The net decrease of Rs. 2,790 is attributed to the low price of paddy and to the exclusion of certain lakhiraj lands which were twice assessed at the first valuation. The result of partial revaluation in Pubna was an increase in valuation of Rs. 17,033, and of Rs. 803 in the cess demand. In Chittagong 630 taluks were assessed for the first time, and with other revaluations, yielded a net increase of Rs. 4,464 in the cess demand. The revision of the revaluations of the Manbhoom district has been completed. The total valuation of the district now stands at Rs. 13,60,921, against the original valuation of Rs. 9,97,170. The valuation of pergunnah Dhalbhoom, in the Singbhoom district, has been completed; but the completion report had not been received by the Board when their report was submitted. There were no summary valuations in Pubna and Manbhoom. In

Midnapore summary valuation was resorted to only in the case of 24 petty estates; and in the Chittagong district, all the estates being of a petty character, 7,446 estates were summarily valued.

8. The provisions of chapter VI, Part II of the Cess Act, for the valuation of rent-free holdings, were on the recommendations of Commissioners extended during the year to all districts. The result generally may be said to have been unimportant.

9. During the year 5,704 separate accounts were opened, under section 44 of the Act, for Rs. 88,468 payable as cess. The division in which the largest number occurs is Dacca (1,972), while in the Chota Nagpur Division no accounts at all were opened. In the Dacca district alone 1,568 accounts were opened. At the close of the year the number of accounts remaining open was 25,837 for Rs. 12,27,651 of cess. Fifty-seven separate cess accounts were opened in revenue-free estates under section 46 of the Act—the largest number, 13, being in the Monghyr district.

10. The Board have submitted a statement showing that the number of estates assessed with cess was 272,943, held by 1,245,913 recorded shareholders, and that the number of tenures assessed was 1,170,814, and their recorded shareholders 2,181,229. The imperfection of these statistics was pointed out in the Resolution recorded last year; and although the Board believe that the present figures are on the whole more accurate than those furnished in previous years, they are still very deficient, in the opinion of the Board, for statistical purposes, as the figures only include estates and tenures assessed with cess, while estates within municipalities, and all very petty revenue-free properties and tenures are necessarily excluded. The suggestion of the Board that the submission of these figures should be discontinued will be considered in communication with the Revenue Department of Government.

The Lieutenant-Governor desires to express his acknowledgments to the Board for the efficient supervision exercised by them during the year over this branch of the administration. The names of the Deputy Collectors who are favourably mentioned in paragraph 19 of the Board's report will be communicated to the Appointment Department of Government.

ORDER.—Ordered that a copy of this Resolution, and of the Board's report, be submitted to the Government of India, Finance and Commerce Department, for information.

Ordered, further, that a copy of the Resolution be forwarded to the Board of Revenue, and copies of the Resolution and of the Board's report to the Appointment and Revenue Departments of this Government, for information.

By order of the Lieutenant-Governor of Bengal,

R. H. WILSON,

Offg. Secy. to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 1st May 1886.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
Western Districts.			
1	Burdwan, May 1 '86	0.03	Weather—very hot. Rain much wanted for agricultural operations. Price of common rice 16 to 21 seers per rupee.
	Ranigunge	0.11	
2	Bankura, " 1 "	1.63	Weather—seasonable. Rain has done much good to standing crops, viz., cotton, <i>til</i> , <i>moong</i> , and mango. Fields being prepared for sowing of early rice, which has already commenced in certain quarters. Public health good.
3	Beerbhoom, " 1 "	1.07	Weather—pleasant and fairly cool. High wind and heavy rain on 28th ultimo. Rain has facilitated ploughing. A few cases of cholera in Rampore Haut, otherwise public health good.
	Rampur Haut	0.88	
4	Midnapore, " 1 "	Nil	Weather—rather cool for time of year. <i>Boro</i> harvest nearly completed. Rain much wanted for cultivation. Public health generally good.
5	Hooghly, " 1 "	Nil	Weather—very hot. Rain badly wanted for ploughing for vegetable and for early rice and jute sowings. <i>Boro dhan</i> being harvested with good outturn in the flooded tracts, which will now pull through without further help. The cholera outbreak at Rishra has abated. General health good.
	Howrah, " 3 "	Nil	Weather—dry and cloudless with high winds. <i>Boro dhan</i> being harvested; outturn satisfactory.
Central Districts.			
6	24-Pergha, April 4 '86	Nil	Weather—very hot. No crops on the ground except sugarcane, which is doing well. Lands being ploughed for early crops. Public health good.
7	Nuddea, " 1 "	0.04	Weather—very hot and dry. Nights are cool. Cultivation and sowing have made much progress. Prevalence of cholera increasing.
	Kooshtea	1.58	
	Meherpur	1.50	
	Chuadanga	0.33	
8	Khoolna, " 1 "	Nil	Weather—hot and dry. <i>Boro</i> rice harvest continues; outturn good. Rain now wanted for sowing of <i>aus</i> rice and for <i>til</i> crops. Public health fair.
9	Jessore, " 1 "	0.48	Weather—very hot. Rain badly wanted. Want of rain has almost stopped sowing of paddy crop. Cholera still raging in the district. Deaths from cholera reported from Magura sub-division.
	Jhenidah	0.18	
10	Moorshedabad, " 1 "	0.54	Weather—seasonable. <i>Boro dhan</i> and indigo doing fairly well, but more rain is wanted for these and for ploughing for <i>aus</i> crop. Public health fair, but a few cholera cases still continue. Price of rice stationary.
	Lalbagh	0.19	
	Kandi	1.70	
11	Dinapore, April 30 '86	0.02	Weather—threatening, but no rain at head-quarters, which is much wanted for ploughing. Sowing of <i>aus</i> and jute has commenced. Prices stationary.
12	Rajshahye, May 1 "	0.85	Weather—very hot. Slight rain during week has done good, and advantage is being taken of it in preparing lands, but more is wanted. A few cases of cholera reported from most police stations.
	Natore	0.50	
13	Rangpur, " 1 "	2.47	Weather—seasonable. Rain has done much good to standing crops. Prospects improved. A few cases of cholera reported from Nilphamari and Nageswari; public health otherwise fair.
	Kurigram	0.35	
	Nilphamari	0.80	
14	Bogra, " 1 "	Nil	Weather—generally hot and fine, cool and cloudy on 28th ultimo, and occasionally stormy. Cultivation of <i>aus</i> , jute, and <i>til</i> going on. Rain much wanted. Sporadic cases of cholera reported.
	Sherpur	0.14	
	Nowkhilla	0.35	
15	Pubna, " 1 "	0.57	Weather—very hot; occasional storms. Rain wanted for crops. <i>Aus</i> and <i>aman</i> being sown.
16	Darjeeling, " 1 "	1.61	Weather—wet. Crops all good after recent rain.
17	Julpigoree, " 1 "	1.09	Changeable weather. East wind prevailing. Harvesting of all cold-weather crops over. <i>Bhadai dhan</i> coming up in places, and being sown in others. Land being prepared for <i>haimanti dhan</i> . About 8-annas of jute sown. Public health good.
Eastern Districts.			
18	Dacca, May 1 '86	Nil	Weather—very hot. Sowing of paddy and jute going on. <i>Boro dhan</i> being harvested. Prospects of crops good. Sporadic cases of cholera reported from Manickgunge.
	Manickgunge	0.06	
19	Furreedpore, " 1 "	Nil	Weather—unusually hot. Rain much wanted for cultivation. Cholera at Sudder stopped, but still prevalent in the mofussil.
	Goalundo	0.35	
20	Backergunge, April 29 "	Nil	Weather—hot and dry. Prospects of crops fair, but rain wanted. General health fair. Cholera and small-pox reported to prevail in some police stations and outposts.
21	Mymensingh, " 30 "	1.11	Weather—hot. Prospects of crops generally good. Cholera prevalent throughout Tangail.
	Attea	0.72	
	Netrokona	0.64	
22	Chittagong, May 4 '86	1.84	Weather—very hot until Sunday (2nd), since when unsettled. Prospects of crops fair. Prices unchanged. Fever continues. Public health good.
23	Noakhilly, April 30 "	Nil	Weather—growing very warm. Sowing of rice progressing. Some few cases of cholera.
24	Tipperah, " 29 "	0.07	Weather—stifling except in the early hours. Sowing of <i>aus</i> and <i>aman dhan</i> and jute almost completed. <i>Boro dhan</i> being cut. Some cholera still about.
25	Chittagong Hill Tracts, " 27 "	Nil	Weather—very hot throughout the week. Unusually foggy this morning (29th). <i>Joom</i> burning still continues. Sugarcane doing well. Lands being prepared for <i>aus</i> paddy.
	Hill Tipperah, " 28 "	Nil	Weather—hot. Lands yet being cultivated for <i>aus</i> paddy. Prospects of <i>boro</i> paddy and chillies good. Hill <i>jooms</i> in some divisions commenced to be sown. Public health good.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.			
PATNA DIV.	26 Patna, May 1 '86	Nil	Weather—hot and sultry, with high east wind. Threshing of <i>rubbee</i> still in progress. <i>Cheena</i> sowings going on. Sugar-cane being planted. Opium weighing continues. Public health good.
	27 Gya, „ 1 „	Nil	Weather—close. No west wind for several days. Sugar-cane coming on well. Fever and small-pox reported from some places. Prices stationary.
	28 Shahabad, „ 1 „	Nil	Weather—very hot, with easterly wind. Threshing of <i>rubbee</i> crops continues. Prospects of sugar-cane and indigo favourable. Cholera and slight fever reported from Bhabuah and Buxar sub-divisions respectively. Public health otherwise fair.
	29 Durbhunga, „ 1 „	0.70	Weather—hot and occasionally cloudy. Rain has done immense good to early <i>moong</i> , paddy sowings and indigo. Lands being prepared for <i>bhadoi</i> sowings. General health good. Prices rising slightly.
	30 Mozufferpore, „ 1 „	0.15	Weather—cooler, as some rain fell on 28th. Threshing of <i>rubbee</i> almost over. Sowing of early rice, <i>cheena</i> and <i>moong</i> in progress. Health fair.
	31 Saran, „ 1 „	Nil	Weather—very hot and sultry. Sugar-cane and <i>cheena</i> in good condition. Indigo being irrigated. Weighing of opium completed. Public health good.
	32 Champaran, „ 1 „	Nil	Weather—hot, with easterly wind. Harvesting of <i>rubbee</i> crops nearly finished. Opium weighing in progress. Prices stationary. Some cases of fever and small-pox reported.
BRAGULPUR DIV.	33 Monghyr, May 1 '86	0.36	Weather—hot. No crops on the ground at present. Public health generally good; but sporadic cases of small-pox reported from Sudder and Begooanah sub-divisions. Price of rice decreasing.
	34 Bagulpore, „ 1 „	Nil	Weather—hot. Rain much wanted now for cultivation and to secure early sowings. Mango crop has suffered still more from high wind and drought.
	35 Purneah „ 1 „	0.42	Weather—much cooler since the rain; wind in the east. Crops in the ground doing well. More rain wanted to complete sowings.
	Kissengunge „ „	0.12	
	Arareah „ „	0.07	
ORISSA DIV.	36 Maldah, „ 1 „	Nil	Weather—hot with occasional gathering of clouds. <i>Boro</i> paddy in need of rain. It is now being artificially watered. Common rice selling at an average of 20 seers per rupee. Public health good.
	37 Sonthal Pergah, „ 1 „	0.86	Weather—unsettled. Rather severe rotatory storm with rain and hail on 28th. <i>Boro</i> rice and sugarcane doing well; no other crops on the ground. Small-pox here and there. General health good.
ORISSA.			
ORISSA DIV.	38 Cuttack, April 30 '86	Nil	Weather—hot and close. <i>Dalua</i> rice being cut. Ploughing in progress. Rain wanted. Common rice sells at 14 seers per rupee in town and 18 to 22 seers in interior. Cholera reported to be raging sporadically in Jajpur sub-division.
	39 Pooree, „ 29 „	Nil	Weather—seasonable. Lands being ploughed and manured for next <i>sarad</i> crop. <i>Dalua</i> paddy being harvested. Relief works going on in Chilka tracts. Common rice sells at an average of 19 seers 6 chittacks per rupee in Sudder sub-division and 18 seers 13 chittacks in Khoorda sub-division. Cases of cholera still reported from the mofussil.
	40 Balasore, „ 30 „	0.39	Weather—hot. Lands being prepared. Prospects of miscellaneous crops promising. A few cases of cholera reported from the interior; otherwise public health good.
CHOTA NAGPORE.			
<i>South-West Frontier Agency.</i>			
41	Hazaribagh, April 30 '86	0.03	Weather—very hot during greater part of week. No crops to report. <i>Mohua</i> still being harvested. Mango promises fairly in most places. General health good.
42	Lohardugga, May 1 „	0.03	Weather—warm, but cloudy in the latter part of the week. <i>Mohua</i> and mango promising well. Price of rice fluctuating and has a tendency to rise. Public health in Sudder sub-division good; fever prevalent in Palamow sub-division.
43	Singbhoom, April 30 „	0.22	Weather—seasonable. Very warm until yesterday's (29th) storm cooled the air. No crops to report on. Public health good.
44	Manbhoom, May 1 „	Nil	Weather—hot, with dust storms. Sugar-cane sprouting. Coarse rice selling from 24 to 32 seers per rupee. A few cases of cholera reported, but public health generally good.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 4th May 1886.P. NOLAN,
Offg. Secretary to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 24th April to 1st May 1886.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
		°		Inches.	°	°		°	°	Inches	°	%			Inches.	
April	25th	151.5	10.1	29.729	87.0	98.6	19.4	77.2	78.0	0.842	74.0	67	SW by S and SSW...	283	Nil	Chiefly cloudy.
"	26th	146.5	8.9	.777	85.5	92.5	15.3	77.2	78.0	.908	76.3	75	SE and SSW ...	260	"	Partially cloudy.
"	27th	151.3	11.4	.809	87.0	95.5	18.3	77.2	79.3	.905	76.2	72	SSW and S ...	206	"	Chiefly clear. <u>D</u>
"	28th	150.5	11.5	.791	87.3	95.3	18.0	77.3	78.7	.867	74.9	68	S, SSW and variable	191	"	Chiefly clear,
"	29th	152.5	8.7	.811	86.3	96.5	20.3	76.2	77.5	.830	73.6	67	NNW, SW by S and variable.	134	"	Chiefly cloudy.
"	30th	153.8	11.7	.788	86.8	98.4	22.1	76.3	77.1	.801	72.5	66	SE by S and SSW ...	161	"	Clear. <u>D</u>
May	31st	152.0	9.9	.740	87.2	97.0	19.3	77.7	78.7	.868	75.0	69	SSW ...	220	"	Chiefly clear.

The mean pressure of the seven days	...	...	...	Inches.	29.778
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	29.721
The total number of hours of bright sunshine	...	...	...	Hours.	72.2
The maximum possible number of hours of sunshine	...	...	...	...	90.2
The mean temperature of the seven days	...	...	...	°	86.7
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	85.3
The extreme variation of temperature	...	...	...	...	22.2
The maximum temperature	...	...	...	...	98.4
The highest velocity of the wind in one hour	...	...	...	Miles.	19
The highest pressure of wind on one square foot	...	...	...	Lbs.	3
The mean relative humidity	...	...	...	%	69
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	72
The total fall of rain from 25th April to 1st May 1886	...	...	...	Inches.	Nil
The average fall of the corresponding period for 24 years, S. G.'s Office...	...	...	...	...	0.84
The total fall from 1st January to 1st May 1886	...	...	...	...	3.63
The average fall of the corresponding period for 24 years, S. G.'s Office ...	...	...	...	...	4.90

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph. The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the New Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground, Δ dew.

A. PEDLER,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE,
Calcutta, the 23rd May 1886.

Meteorological Report of the Province of

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.												
			AIR PRESSURE.			WIND.		TEMPERATURE.							
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from mean of week.
ORIGINAL.	Pooree	Gopalpur	29.845	29.895	—	SSW	336	86.2	27th, 29th, 30th April.	75.8	26th April	85.5	78.4	81.9	—
		False Point	29.873	29.894	+0.065	SSW	305	89.5	27, 28, 29 & 30 April.	78.2	24th "	89.2	79.6	84.4	—
	Cuttack	Cuttack	29.798	29.879	+0.073	SW	127	105.9	26th "	77.9*	25, 29, 30 April	103.3*	78.5*	90.9*	+0.7
	Halasore	Halasore	29.810	29.869	—	SSW	217.3	101.9	26th "	74.8	24th "	97.5	76.8	87.2	—
SOUTH-WEST BENGAL.	South-West Midnapore	Saugor Island	29.846	29.872	+0.043	S	381	92.2	28th, 30th April.	79.0	29th "	91.1	80.5	85.8	+0.9
	South 24 Pergunnahs	Midnapore	29.709	29.848	—	S	183.1	110.9	25th "	75.3	24th "	105.3	77.9	91.6	—
	24-Pergunnahs														
	Howrah	Calcutta	29.839	29.860	+0.039	SSW	223	97.0	25th "	75.2	24th "	95.4	76.6	86.0	+1.0
	Hooghly														
	Kurdwan	Kurdwan	29.752	29.861	+0.057	S	142.2	100.0	25th "	74.4	29th "	105.7	77.0	91.4	+3.0
	Bankoora	Bankoora	29.525	—	—	SE	117.0	111.1	24th "	68.6	29th "	107.6	76.9	92.3	—
	Beerbhoom	Raneegunge	29.509	—	—	SSW	126.9	111.5	25th "	73.9	29th "	106.6	77.2	91.9	—
	West Burdwan														
	Moorshedabad	Berhampore	29.788	29.855	+0.065	S	122.7	107.7	24th, 25th April.	70.3	29th "	102.2	76.5	89.4	+1.0
	Nudda	Krishnagore	29.792	—	—	SSE	149.0	106.4	25th "	67.8	29th "	101.9	74.6	88.2	—
	Jessore	Jessore	29.839	29.872	+0.039	SW	130.4	102.8	25th "	74.9	26th "	98.2	76.0	87.6	+2.0
EAST BENGAL.	Khoolna														
	Chittagong	Chittagong	29.839	29.920	+0.046	Calm	75	91.7	30th "	72.0	28th "	88.2	74.1	81.1	—
	Chittagong Hill Tracts	Demagiri													
	Backergunge	Barrisal	29.885	29.897	—	S	135.2	94.8	30th April.	74.9	29th "	92.4	76.3	84.3	—
	Noakholly	Noakholly	29.861	29.904	—	S	?	94.5	30th "	73.3	30th "	90.1	75.5	82.8	—
	Furreedpore	Furreedpore	29.837	—	—	SE	187.6	98.0	25th "	72.4	29th "	96.7	74.2	85.5	—
	Dacca	Dacca	29.864	29.886	+0.069	SSW	164	95.3	30th "	71.1	26th "	94.4	74.9	84.7	+1.0
	Tipperah	Comillah	29.800	29.865	—	SE	105.7	98.3	30th "	71.8	26th "	94.0	74.4	84.2	—
	Mymensingh	Mymensingh	29.814	—	—	SSE	182.4	95.3	24th, 30th April.	67.1	29th "	93.2	73.6	83.5	—
	Bogra and Pabna	Bogra	29.795	29.858	—	S, SE	217.3	100.8	26th "	70.8	25th "	97.8	73.9	85.9	—
		Serajgunge	29.832	29.878	—	S, SSE	141.1	102.2	26th "	61.3	29th "	97.1	71.2	84.2	—
NORTH BENGAL.	Rajshahye	Rampore Beach.	29.785	29.855	—	SE	74.7	107.4	25th "	68.7	29th "	100.4	71.7	86.1	—
	Maldah	Maldah	29.679	—	—	E	68.6	100.2	26th "	69.1	29th "	90.6	74.7	87.2	—
	Dinagore	Dinagore	29.753	29.874	—	ESE	173.7	103.6	24th "	70.1	25th "	96.8	74.1	86.5	—
	Rangore	Rangore	29.785	29.909	—	E	121	95.8	28th "	65.6	25th "	91.4	69.3	80.2	—
	Jalpigoree	Jalpigoree	29.695	29.888	—	E	157.0	95.0	28th "	66.8	5th "	90.3	70.4	86.3	—
	Cooch Behar														
	Darjeeling Hill Districts	Darjeeling†	29.662	—	—	Calm easterly.	—	65.1	27th "	42.6	26th "	63.2	45.8	54.5	—
	Purneah	Purneah	29.753	29.858	+0.069	Calm	22.8	104.2	24th "	?	—	100.5	?	?	?
	North Bhagulpore														
	Mozufferpore	Mozufferpore													
	Durbhunga	Durbhunga	29.654	29.851	+0.070	ESE, ENE, SE	134	101.6	24th, 25th April.	72.3	25th April	98.3	76.5	87.4	+2.0
	Chumpran	Motihari	29.610	29.836	—	SE	203.9	103.5	25th "	67.4	25th "	100.0	73.9	87.0	—
SOUTH BENGAL.	Sarus	Chupra	29.630	—	—	ESE	141.7	108.0	25th "	74.0	29th, 30th April.	106.1	74.7	90.4	—
		Dehret*	29.472	29.817	—	Easterly	243.1	108.5	24th "	67.0	24th "	100.1	73.8	87.0	—
	Shahabad	Buxar	29.559	29.795	—	E	185.0	107.4	24th, 25th April.	74.3	24th "	105.5	76.9	91.2	—
		Arrah	29.598	29.792	—	E	159.5	108.9	24th "	73.6	25th "	105.7	76.4	91.1	—
	Gya	Gya	29.419	29.788	+0.024	Variable	83.2	111.0	25th "	76.2	25th "	108.4	78.3	93.4	+1.0
	Patna	Bankipore	29.651	29.832	+0.065	E	118.0	108.6	24th "	73.7	29th "	104.7	76.1	90.4	+1.0
	South Bhagulpore	Bhagulpore*	29.664	29.825	—	E	50	99.9	28th "	73.0	29th "	98.2	76.9	87.6	—
	Monghyr														
	South 24 Pergunnahs	Doomka	29.332	—	—	Easterly	125.9	110.7	25th "	67.9	29th "	104.7	76.2	90.5	—
	Hazribagh	Hazribagh	27.844	29.789	+0.048	NNW	202.3	105.5	25th "	71.1	29th "	103.4	76.5	90.0	+1.0
	Lohardugga	Ranchee	27.725	29.776	—	SSW	159.6	105.4	25th "	68.9	30th "	103.3	74.3	88.8	—
	Manbhoom														
CENTRAL INDIA.	Singbhoom	Chyabasan	29.064	—	—	SW	62.0	109.8	25th "	70.9	30th "	107.8	76.6	92.2	—

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the year. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and any other amount of clouds is denoted by the number of eighths of a sky which they cover. The normal means of the rainfall in that district determined from the returns sent in by the district (7.4.) from the total rainfall at the sub-divisional stations in the district sending in returns divided by the number of stations.

* Means for six days.
† Means for five days.

the week ending Friday, the 30th of April 1886.

DISTRICT OBSERVATIONS.													Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
Average cloud amount at 10 A. M. for week.	Rainfall of week at observing stations.	RAINFALL.									Average number of rainy days.	Normal number of rainy days.			
		Of week.		Since 1st of Month.			Since 15th May 1885.								
		Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.						
20	Nil	—	—	—	—	—	—	—	—	—	—	—	Gopalpore	Pooree	ORISSA.
34	Nil	Nil	0.20	0.01	1.20	-1.19	43.52	59.87	-16.35	0.0	0.6	False Point	Cuttack		
17	Nil	Nil	0.30	Nil	1.43	-1.42	46.54	57.38	-10.84	0.0	0.6	Cuttack	Balasore		
09	0.35	0.08	0.50	0.16	1.84	-1.68	52.06	58.19	-6.13	0.5	1.2	Balasore	South-West Midnapore		
36	Nil	Nil	0.59	Nil	1.84	-1.84	73.59	67.18	+6.41	0.0	1.1	Saukor Island	South 24 Pargunnahs		
04	Nil	Nil	0.55	Nil	1.74	-1.74	77.66	54.30	+23.36	0.0	1.0	Midnapore	24 Pargunnahs		
10	Nil	Nil	0.80	0.17	1.97	-1.80	63.94	56.00	+7.94	0.0	1.5	Calcutta	Howrah		
01	0.04	0.01	1.00	0.01	2.39	-2.38	55.12	50.72	+4.40	0.3	1.5	Burdwan	Hooghly		
0	1.64	1.18	0.37	1.18	1.09	+0.18	71.72	52.37	+19.35	1.3	1.0	Bankoora	West Burdwan		
0	0.18	0.69	0.39	0.69	1.23	-0.54	63.68	53.62	+10.06	2.3	1.2	Raneesunge	Moorshedabad		
06	0.54	0.55	0.38	0.75	1.40	-0.65	53.64	51.74	+1.90	1.8	1.0	Berhampore	Nuddea		
07	0.02	0.69	1.14	1.66	3.01	-1.35	61.79	54.27	+7.52	1.6	1.9	Krishnaghur	Jessore		
23	0.48	0.08	1.42	1.09	3.00	-2.51	63.23	60.15	+3.08	0.4	2.2	Jessore	Khoolna		
29	Nil	Nil	1.53	0.59	3.10	-2.51	141.66	117.95	+23.71	0.0	2.0	Chittagong	Chittagong		
23	Nil	Nil	1.28	2.61	3.79	-1.18	80.98	89.75	-8.77	0.0	2.2	Demagiri	Chittagong Hill Tracts		
34	Nil	Nil	1.12	1.07	3.20	-2.13	89.31	83.89	+5.42	0.0	1.9	Barrisal	Backergunge		
07	Drops	0.12	1.41	0.66	3.59	-3.23	66.99	63.16	+3.83	0.3	2.3	Furreedpore	Noakholly		
29	0.10	0.10	1.48	5.06	4.36	+0.70	70.10	68.31	+1.79	1.0	2.9	Dacca	Furreedpore		
40	0.07	0.02	1.50	5.02	4.73	+0.29	80.38	80.73	-0.35	0.3	2.0	Commillah	Dacca		
57	1.37	0.86	1.57	3.04	3.86	-0.82	71.04	71.18	-0.14	1.5	2.4	Mymensingh	Tipperah		
34	Drops	0.18	0.63	0.77	1.82	-1.05	55.74	60.16	-4.42	1.0	1.5	Bogra	Mymensingh		
21	Nil	0.29	1.07	0.98	2.99	-2.01	64.79	58.32	+6.47	1.0	2.2	Serajgunge	Bogra and Pubna		
19	0.21	0.45	0.54	0.53	1.04	-1.11	58.34	55.61	+2.73	1.3	1.2	Rampore Beaulah			
10	Nil	—	—	—	—	—	—	—	—	—	—	—	Maldah		
07	Nil	0.11	0.44	0.31	1.18	-1.07	59.11	57.27	+1.84	0.5	1.0	Dinapore	Dinapore		
21	0.19	0.96	1.37	2.03	3.26	-1.23	71.53	79.02	-7.49	1.8	1.6	Rungpore	Rungpore		
46	1.26	1.36	1.69	1.71	4.21	-2.50	169.43	117.85	-5.42	3.2	2.6	Julpigoree	Julpigoree		
72	0.93	1.09	2.15	3.18	6.89	-3.71	133.46	160.88	-7.42	2.5	3.7	Darjeeling	Cooch Behar		
10	0.42	0.44	0.54	0.44	1.13	-0.74	49.90	59.47	-9.57	1.0	1.0	Purneah	Darjeeling Hill District		
06	0.70	0.50	0.25	0.50	0.66	-0.16	51.46	44.11	+7.35	1.0	0.5	Mozufferpore	Purneah		
14	0.07	0.06	0.29	0.06	0.74	-0.68	55.48	46.31	+9.17	0.5	0.4	Motihari	North Bhagulpore		
0	Nil	Nil	0.07	Nil	0.22	-0.22	43.03	42.68	+0.35	0.0	0.4	Chupra	Mozufferpore		
0	Nil	—	—	—	—	—	—	—	—	—	—	—	Durbhunga	Durbhunga	
01	Nil	Nil	0.03	Nil	0.16	-0.16	43.37	40.16	+3.21	0.0	0.1	Buxar	Chumpran		
0	Nil	—	—	—	—	—	—	—	—	—	—	—	Arrah	Saran	
0	Nil	0.02	0.06	0.02	0.25	-0.23	50.56	40.58	+9.98	0.3	0.2	Gya	Shahabad		
03	Nil	0.13	0.04	0.13	0.23	-0.09	44.2	41.10	+3.02	0.3	0.3	Bankipore	Gya		
04	Nil	0.21	0.14	0.21	0.53	-0.31	48.57	43.10	+5.47	0.4	0.4	Bhagulpore	Patna		
0	0.83	0.14	0.26	0.14	0.76	-0.62	61.08	49.82	+12.16	0.2	0.7	Doomka	South Bhagulpore		
0	Nil	0.14	0.12	0.14	0.27	-0.13	66.84	49.80	+17.04	0.8	0.3	Hazaribagh	Monghyr		
0	0.03	0.04	0.17	0.04	0.65	-0.61	51.98	49.56	+2.42	0.3	0.6	Ranchee	Sonthal Pargunnahs		
0	0.31	0.30	0.08	0.30	0.76	-0.46	56.20	54.96	+0.24	2.0	0.5	Chyebassa	Hazaribagh		

For the past ten years. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. The number denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head "District" observations for the period in question during the past 12 years. The means of the district are the numerical averages of the rainfall returns received in which at least hundredth of an inch fell.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 30th of April 1886.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1885.	Average rain-fall from 1st of May to date.
			Saturday, 24th April.	Sunday, 25th April.	Monday, 26th April.	Tuesday, 27th April.	Wednesday, 28th April.	Thursday, 29th April.	Friday, 30th April.	Number of rainy days.	of Rainfall week.				
ORTHA	Pooree	Pooree	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.67	30.24	
		Khurdah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.63	0.76	45.82	
		Banpur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.85	53.81	
		Walse Point	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.55	44.24	
		Hookitola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Gop	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Pipli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Cuttack	Jagatsingapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.79	45.39	
		Banki	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.24	?	48.94	
		Cuttack	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.58	44.73	
		Kendrapara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.21	52.36	
		Jaipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.13	43.70	
		Dharmasalla	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.26	?	?	
	Balasore	Salipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Chandbali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.28	46.14	
		Bhuddruck	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.02	55.46	
		Sorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.00	49.45	
		Balasore	0.11	0.28	.....	.....	.....	.....	.....	2	0.39	0.88	2.80	58.85	
		Jellasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.42	33.19	
	Midnapore	Baripodah	.....	0.10	.....	.....	.....	.....	.....	1	0.10	0.10	1.62	67.30	
		Contai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.61	73.02	
		Saugor Island	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.52	80.50	
		Tumlook	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.77	70.73	
		Midnapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.48	72.21	
		Ghattal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.02	90.03	
SOUTH-WEST BENGAL.	24-Fergunnah	Deog	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Heria	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Bhagwanpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Garbeta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Diamond Har-	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.07	2.45	61.35	
		bour.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Howrah	Canning Town	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.88	62.40	
		Alipore Jail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.86	61.17	
		Barackpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.04	2.09	64.21	
		Dum-Dum	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.91	58.19	
		Baraset	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.63	2.00	61.20	
		Buseerhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Hooghly	Howrah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.26	53.70	
		Mohesreka	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.53	68.50	
		(Ooloberiah.)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Serampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.07	60.75	
		Hooghly	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.00	63.55	
		Jehanabad	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.01	84.66	
	Kurdwan	Culna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.04	58.87	
		Burdwan	.....	.....	.....	.....	.....	0.04	.....	1	0.04	0.04	2.60	51.11	
		Cutwa	.....	.....	.....	.....	.....	1.00	.....	Nil	Nil	Nil	1.94	55.41	
		Mankur	.....	.....	.....	.....	.....	1.00	.....	1	1.00	1.00	?	?	
		Raneegunge	.....	.....	.....	.....	0.04	0.07	0.02	3	0.13	0.13	1.32	73.74	
		Bankoora	.....	.....	.....	.....	.....	1.62	.....	1	1.62	1.62	1.40	60.55	
	Bankoora	Bishenpore	.....	.....	.....	.....	.....	0.78	.....	1	0.78	0.78	1.41	74.88	
		Mahara	.....	.....	.....	.....	0.45	0.89	.....	2	1.34	1.34	0.82	64.61	
		Khatra	.....	.....	.....	.....	.....	0.98	.....	1	0.98	0.98	0.44	77.91	
		Indas	.....	.....	.....	.....	.....	0.35	.....	1	0.35	0.35	?	67.38	
		Kotapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	7.09	
		Anda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	52.02	
	Heerhoom	Gangajalghati	.....	.....	.....	.....	.....	1.41	.....	1	1.41	1.41	?	63.18	
		Raipore	.....	.....	.....	.....	.....	.....	0.32	1	0.32	0.32	?	?	
		Sonamukhi	.....	.....	.....	.....	.....	1.30	.....	1	1.30	1.30	?	67.58	
		Bh. Soory	.....	.....	.....	.....	1.04	0.03	.....	2	1.07	1.08	1.01	54.57	
		Hetampore	.....	.....	.....	.....	.....	.....	.....	2	0.88	0.88	1.62	?	
		Rampore Haut	.....	0.08	.....	.....	0.80	.....	.....	1	0.58	0.58	?	?	
	Nuddea	Boipore	.....	.....	.....	.....	0.58	.....	.....	1	0.58	0.58	?	?	
		Ranaghat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.40	3.16	64.40	
		Kishnaghat	.....	.....	.....	.....	.....	.....	.....	1	0.04	0.21	2.74	55.38	
		Choodanga	.....	0.04	.....	.....	.....	.....	.....	3	0.33	0.33	3.06	63.38	
		Meherpore	.....	.....	0.09	0.13	.....	0.11	.....	2	1.50	2.52	3.03	60.71	
		Kooghtea	.....	0.08	.....	.....	.....	0.45	.....	2	1.58	1.86	3.23	64.41	
	Khoolna	Kooghtea	.....	.....	.....	.....	.....	0.70	.....	2	1.58	1.86	3.23	64.41	
		Satkira	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.13	3.02	78.70	
		Bagirhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.97	3.38	60.00	
		Khoolna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.72	3.51	63.34	
		Narail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.18	3.61	45.13	
		Jessore	.....	.....	.....	.....	.....	.....	.....	1	0.48	0.73	4.30	68.03	
	Jessore	Jhenidah	.....	.....	0.48	.....	.....	.....	.....	2	0.18	0.18	3.72	55.88	
		Magoorah	.....	.....	0.05	.....	.....	0.13	.....	Nil	Nil	Nil	4.17	63.68	
		Bougong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.80	2.91	60.56	
		Woorshedabad	.....	.....	.....	.....	.....	.....	.....	1	1.70	1.85	1.52	50.99	
		Kandi	.....	.....	.....	.....	.....	1.70	.....	2	0.54	0.83	1.62	51.97	
		Berhampore	.....	0.16	.....	.....	.....	0.38	.....	2	0.19	0.37	1.21	54.62	
EAST BENGAL	Chittagong	Lalbagh	.....	0.03	.....	.....	.....	0.16	.....	2	0.57	0.72	1.40	54.12	
		Azimungo	.....	.....	.....	.....	.....	0.50	0.07	2	0.13	0.41	1.24	47.78	
		Jungipore	.....	0.02	.....	.....	.....	0.11	.....	2	0.13	0.28	1.38	?	
		Lalgolah	.....	.....	.....	.....	0.05	0.10	.....	2	0.13	0.28	1.38	?	
		Cor's Bazar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.95	2.69	176.56	
		Chittagong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.23	3.54	166.73	
	Chittagong Hill Tracts.	Kutubdia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.60	?	?	
		Satkanya	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.35	?	?	
		Rangamati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.91	3.62	71.50	
		Ruma	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.31	4.00	90.60	
		Agartola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5.97	4.26	71.98	
		Tipperah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	?	?	?	
	Sackergunge	Patuakhally	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	5.05	108.20	
		Peromopore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.85	2.69	73.59	
		Burrisal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.77	3.30	85.54	
		Bhola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.68	3.76	90.16	

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 30th of April 1886—contd.

District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1885.	Average rainfall from 15th May 1885 to date.
		Saturday, 24th April.	Sunday, 25th April.	Monday, 26th April.	Tuesday, 27th April.	Wednesday, 28th April.	Thursday, 29th April.	Friday, 30th April.	Number of rainy days.	of Rainfall week.				
Noakholly ..	Gournaddi ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.43	?	?	?
	Bauphal ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.52	?	?	?
	Noakholly ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	9.44	3.91	114.92	118.74
	Kenny ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5.78	4.51	108.42	117.11
Furreehpore ..	Harisporo (Sondip) ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5.12	?	?	?
	Ramganj ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.05	?	?	?
	Madaripore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.22	3.83	63.13	63.66
	Furreehpore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.19	3.99	68.48	65.25
Dacca ..	Goalundo ..	.....	.....	.....	.....	.....	0.35	.....	1	0.35	0.57	3.87	69.36	69.43
	Munshigunge ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5.12	4.80	68.77	80.60
	Dacca ..	.....	.....	0.18	.....	.....	.....	.....	1	0.18	6.47	4.34	65.80	66.97
	Narsingunge ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4.24	?	73.83	?
Tipperah ..	Manickgunge ..	.....	.....	0.06	.....	.....	0.05	.....	2	0.11	3.58	3.03	75.72	56.25
	Joydebpore ..	.....	.....	0.27	.....	.....	.....	.....	1	0.27	2.71	?	?	?
	Comilla ..	.....	.....	0.07	.....	.....	.....	.....	1	0.07	5.32	5.06	83.97	85.20
	Chandpore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.95	4.84	83.60	80.71
Mymensingh ..	Brachmunberia ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	6.10	4.63	72.22	73.59
	Ramchandra-pore ..	.....	.....	0.10	.....	.....	.....	.....	1	0.10	7.86	?	?	?
	Nasirnagar ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	7.89	?	?	?
	Daudkandi ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.42	?	?	?
Kasba ..	Kasba ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5.13	?	?	?
	Laksham ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5.28	?	?	?
	Kishoregunge ..	.....	.....	.....	.....	1.11	.....	.....	1	1.11	4.09	4.71	74.31	78.99
	Atia (Tangail) ..	.....	.....	0.31	0.41	.....	.....	.....	2	0.72	3.62	3.55	65.29	62.27
Mymensingh ..	Mymensingh ..	.....	.....	.....	0.02	1.09	.....	.....	2	1.11	2.94	4.02	76.12	81.87
	Jamulpore ..	.....	.....	.....	.....	0.52	.....	.....	1	0.52	1.54	3.24	68.44	71.51
	Netrokona ..	.....	0.20	0.23	0.21	.....	0.05	.....	4	0.69	2.35	?	72.62	?
	Subornakhally ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.55	?	?	?
Durgapore ..	Durgapore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.00	?	?	?
	Desanganj ..	.....	.....	.....	.....	0.24	.....	.....	1	0.24	1.22	?	?	?
	Pubna ..	.....	0.27	.....	.....	.....	0.30	.....	2	0.57	0.76	3.18	68.94	59.39
	Serajgunge ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.20	2.62	60.62	57.08
Bogra ..	Sherpore ..	.....	.....	0.25	.....	.....	0.10	.....	2	0.35	0.77	1.44	52.31	63.14
	Nowkhilla ..	.....	.....	.....	.....	0.14	.....	.....	1	0.14	1.69	1.94	55.84	57.31
	Bogra ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.37	2.39	56.55	61.16
	Panchbibi ..	.....	.....	.....	.....	0.22	.....	.....	1	0.22	0.22	1.52	58.15	55.59
Rajshahye ..	Beaulah ..	.....	.....	0.05	.....	.....	0.80	.....	2	0.85	0.94	1.45	50.59	55.05
	Nattore ..	.....	.....	.....	0.25	.....	0.25	.....	2	0.50	0.64	2.29	63.11	58.49
	Nowrong ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	60.03	?
	Lalporo ..	0.22	.....	.....	.....	.....	0.45	.....	2	0.67	0.67	?	?	?
Maldah ..	Manda ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Maldah ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.94	61.28	52.23
	Chanchal ..	.....	.....	.....	.....	.....	0.20	.....	1	0.20	0.20	?	39.69	?
	Gajol ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
Dinapore ..	Sibganj ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Mohadebpore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.27	53.59	58.14
	Churamon ..	.....	.....	.....	.....	.....	0.40	.....	1	0.40	0.40	0.55	59.28	50.57
	Raigunge ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.17	55.48	51.62
Kungpore ..	Dinapore ..	.....	.....	.....	.....	0.02	.....	.....	1	0.02	0.02	1.77	68.01	64.06
	Baloorghat ..	.....	.....	.....	.....	.....	0.32	.....	1	0.32	0.32	?	56.48	?
	Bhawanigunge (Gyabanda) ..	.....	.....	.....	.....	0.14	.....	.....	1	0.14	1.52	2.45	61.06	66.43
	Rungpore ..	.....	0.12	.....	.....	2.35	.....	.....	2	2.47	3.03	2.95	75.68	79.31
Julpigore ..	Kurigram ..	.....	0.35	.....	.....	0.07	.....	.....	2	0.42	2.77	3.94	80.49	70.03
	Bagdogra ..	.....	.....	.....	.....	0.76	0.04	.....	2	0.80	0.80	3.60	68.91	91.25
	(Nilphamari) ..	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....
	Ulipore ..	.....	0.44	.....	.....	1.60	.....	.....	2	2.04	2.69	?	?	?
Julpigore ..	Julpigore ..	0.41	.....	.....	.....	0.68	.....	.....	2	1.09	1.40	3.99	119.80	121.3
	Alipore Doar ..	.....	0.96	.....	.....	0.07	.....	.....	2	1.03	2.49	?	?	?
	Fallacatta ..	.....	0.87	.....	.....	1.40	.....	.....	2	2.27	2.73	?	?	?
	Dinhat ..	0.23	0.74	.....	.....	0.06	0.01	.....	4	1.04	3.33	3.62	97.95	102.7
Cooch Behar ..	Cooch Behar ..	0.01	0.65	.....	.....	0.03	0.08	.....	4	0.77	1.42	5.59	123.09	125.30
	Mickligunge ..	.....	0.86	.....	.....	0.87	.....	.....	2	1.73	1.73	4.00	102.20	111.20
	Matabhanga ..	0.01	0.48	.....	.....	1.27	0.42	.....	4	2.18	2.68	3.65	106.21	126.41

Darjeeling Hill ..	Buxa ..	0.06	0.14	.....	.....	0.09	1.82	.....	4	2.11	5.11	9.18	179.56	205.48
	Siliguri ..	.....	1.27	.....	.....	1.27	.....	.....	2	2.12	2.40	?	93.47	115.27
	Darjeeling ..	.....	0.85	.....	.....	0.06	.....	.....	.....	.....	.....	4.43	?	?

Purneah ..	Kalimpong ..	0.09	0.11	.....	.....	0.05	0.11	0.40	5	1.42	2.79	?	92.02	?
	Kissengunge ..	.....	.....	.....	.....	0.12	.....	.....	1	0.12	0.42	1.45	57.62	70.17
	Arrareah ..	.....	.....	.....	.....	.....	0.07	.....	1	0.07	0.07	1.87	53.13	65.06
	Purneah ..	.....	.....	.....	.....	.....	0.42	.....	1	0.42	0.42	1.30	53.81	65.38
North Bhagulpore ..	Gondwara ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Belarampore ..	.....	.....	.....	.....	.....	0.03	.....	1	0.03	0.03	?	?	?
	Matiari ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Kaliaganj ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
Durbhunga ..	Madadpore ..	.....	.....	.....	.....	.....	0.75	.....	1	0.75	0.75	0.89	42.87	50.80
	Sooopool ..	.....	.....	.....	.....	.....	0.85	.....	1	0.85	0.85	0.65	42.15	48.89
	Protaganj ..	.....	.....	.....	.....	0.51	.....	.....	1	0.51	0.51	?	?	?

Mozufferpore ..	Tajpore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.36	52.88	41.04
	Durbhunga ..	.....	.....	.....	.....	0.65	0.05	.....	2	0.70	0.70	0.56	57.19	45.20
	Madhubani ..	.....	.....	.....	.....	.....	0.80	.....	1	0.80	0.80	1.03	44.20	43.53
	Bahera ..	.....	.....	.....	.....	1.80	0.45	.....	2	2.25	2.25	?	?	?
Mozufferpore ..	Roshera ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?	?	?
	Sitamathi ..	.....	.....	.....	.....	.....	0.08	.....	1	0.08	0.08	1.06	54.19	42.21
	Mozufferpore ..	.....	.....	.....	.....	.....	0.15	.....	1	0.15	0.15	0.55	41.54	40.35
	Hajipore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.21	38.91	42.57
Dumraon ..	Paru ..	.....	.....	.....	.....	0.09	.....	.....	1	0.09	0.09	?	?	?
	Mahua ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Sinhar ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Lupri ..	.....	.....	.....	.....	1.25	.....	.....	1	1.25	1.25	?	?	?
Dumraon ..	Motihari ..	.....	.....	.....	.....	.....	0.11	.....	1	0.11	0.11	1.07	58.10	45.71
	Bettiah ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.74	53	49.20
	Bagaha ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Burhura ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 30th April 1886—concl.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1885.	Average rain-fall from May to date.
			Saturday, 24th April.	Sunday, 25th April.	Monday, 26th April.	Tuesday, 27th April.	Wednesday, 28th April.	Thursday, 29th April.	Friday, 30th April.	Number of rainy days.	Rainfall week.				
NORTH BEHAR—continued.	Saran	Gopalgunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'10	32'06	
		Sowan	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'27	47'00	
SOUTH BEHAR	Shahabad	Chunar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'29	48'57	
		Buxar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'17	44'00	
		Denree	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	47'00	
		Bhuboah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'10	40'05	
		Sasseram	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'14	39'77	
		Arran	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'23	47'77	
		Mohania	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Gya	Aurangabad	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'21	58'52	
		Gya	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'35	52'19	
		Nowadah	.....	.....	.....	.....	.....	0'06	.....	1	0'06	0'06	0'28	44'41	
		Jehanabad	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'14	47'09	
		Arwal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Jaudnagar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Sherghati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Kajauli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Pakri Baraican	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Patna	Patna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'26	41'89	
		Dinapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'27	43'05	
		Behar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'24	49'88	
		Bara	.....	.....	.....	.....	.....	0'50	.....	1	0'50	0'50	0'10	37'25	
	Munshyr	Begoozeri	.....	.....	.....	.....	.....	0'69	.....	1	0'69	0'69	0'34	48'39	
		Munshyr	.....	.....	.....	.....	.....	0'36	.....	1	0'36	0'36	0'34	40'54	
		Jamui	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'49	48'50	
		Gopri	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	South Bhagalpore.	Sheikhpura	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Bhagalpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'79	58'28	
		Isaika	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'58	47'01	
		Kolgong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Sonthal Pergunahs.	Rajmehal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'18	65'06	
		Godda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'36	48'32	
		Pasour	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'42	55'36	
		Nya Doomka	.....	.....	.....	.....	.....	0'85	.....	1	0'85	0'85	1'04	62'33	
		Deognur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'93	73'74	
		Jamtara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'08	66'39	
		Simra	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Nanhat	.....	.....	.....	.....	.....	0'16	.....	1	0'16	0'16	?	?	
CHUTTA NAGPUR.	Hazaribagh	Pachamba (Girdi).	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'67	76'95	
		Hazaribagh	.....	.....	.....	.....	.....	.....	.....	0'31	1	0'31	0'31	60'60	
		Semtaguran	.....	.....	.....	.....	.....	0'25	.....	0'15	2	0'40	0'40	61'14	
		Manudi Hills	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'05	49'91	
		Jhoomrah Hills	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	81'60	
		Barhi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Chutra	.....	.....	.....	.....	.....	.....	.....	1	0'74	0'74	?	?	
		Karagdeha	.....	.....	.....	.....	.....	.....	.....	0'05	1	0'05	0'05	?	?
	Lohardugga	Lohardugga	.....	.....	.....	.....	.....	.....	.....	0'04	1	0'04	0'04	59'31	
		Kanchi	.....	.....	.....	.....	.....	.....	.....	0'14	1	0'14	0'14	55'04	
		Palamow	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'33	55'46	
		Silli	.....	.....	.....	.....	.....	.....	.....	3	1'04	1'04	?	?	
		Batumat	.....	.....	.....	.....	.....	.....	.....	?	?	?	?	?
		Hosseinabad	.....	.....	.....	.....	.....	.....	.....	?	?	?	?	?
	Singbhoon	Gurwah	.....	.....	.....	.....	.....	.....	.....	?	?	?	?	?
		Chyetassa	.....	.....	.....	.....	.....	.....	.....	2	0'30	0'30	0'74	55'20	
		Chakradhar-pore.	.....	.....	.....	.....	.....	0'03	.....	3	0'33	0'33	?	?	
		Ghatilla	.....	.....	.....	.....	.....	.....	.....	?	?	?	?	?
	Mandbhoon	Baharagura	.....	.....	.....	.....	.....	.....	.....	?	?	?	?	?
		Purulia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'93	57'21	
		Gopinapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'64	40'07	
		Raghunath-pore.	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Barrabhoon	.....	.....	.....	.....	.....	.....	.....	2'78	0'03	2'81	?	?	
		Jhalda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Chas	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the are wanted, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 4th March 1886.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 30TH OF APRIL 1886.

At the commencement of the week dry westerly winds were blowing at almost all the western stations and rather strong southerly and south-westerly winds at the southern and central stations, while in North Bengal and North Behar a few of the stations reported easterly and south-easterly winds. There was thus a small amount of interaction between these wind systems, which gave rise to a few light local storms. About the middle of the week the easterly winds began to increase in strength, and winds gradually became more easterly until Thursday the 29th, when the great majority of the wind directions over the province had a strongly pronounced easterly component in them. At the same time a feeble but distinct area of barometric depression formed in the Central Provinces, and there was a decided tendency to cyclonic circulation of winds round it at the stations nearest to it. With the advance of the easterly winds and with the formation of the area of low pressure in Central India and the western parts of Chutia Nagpur conditions became a little disturbed, a large amount of interference or interaction took place between the wind systems, and thus a considerable number of local storms, generally accompanied by rain, were reported at the close of the week. These storms have been most general in East and North and South-West Bengal, and in North Behar and Chutia Nagpore; comparatively few were reported from South Behar, and in Orissa they were practically absent.

The changes of pressure during the week have been considerable, and while for the first three days pressure fell steadily, on the Tuesday there was a considerable recovery, followed by a further fall on the next day, and during the last two days of the week the changes were small and variable. During May, however, there is generally a steady decrease of pressure, and the fall during the week has not been so rapid as usual. This is shown by the fact that while during the previous week there was over the province a mean excess pressure above the normal equal to 0.023", during the week under review the excess pressure has increased to 0.056."

Temperature—Was also during the previous week in excess of the normal by a general average of 1.5°. There has been during the present week a slight but decided increase of temperature, and the excess has increased to 1.8°. The variation of temperature in various parts of the province has however become considerable; and while Orissa shows a mean temperature 0.2° in defect of the normal, Chutia Nagpore on the other hand shows an excess of 4.1°. The temperature in East Bengal has been nearly normal, and over the remainder of the province there has been an excess of about 2°.

Rainfall—Has been entirely brought by local storms. North Bengal has received the largest amount of rainfall and averages 0.62 inch for the week against the normal average of 0.97 inch, or in other words the actual fall has been about two-thirds of the normal. The average rainfall reported in South-West Bengal has been 0.32 inch against the normal of 0.80 inch or decidedly less than half the normal fall. In North Behar the rainfall has averaged 0.25 inch against the normal 0.30 inch, in South Behar the actual fall has been 0.11 inch and the normal fall is 0.12 inch, and again Chutia Nagpur averages 0.12 of rain against the normal fall of 0.14 inch, and thus these three divisions have received almost a normal fall for the week. East Bengal has received an average amount of 0.17 inch, but the normal fall equals 1.43 inches, so that the actual fall has only been about one-eighth of the normal. The smallest amount of rainfall is reported from Orissa, where it averages only 0.04 inch, which is only one-ninth of the normal fall for the period.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 30th of April 1886 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1885.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	105.9	74.8	93.9	78.3	86.1	-0.2	0.04	0.36	-0.32	0.2	0.9	-0.7	0.08	1.54	48.05	58.42
South-West Bengal	111.5	67.8	101.7	77.0	89.4	+1.5	0.32	0.80	-0.48	0.8	1.5	-0.7	0.66	2.15	63.34	55.78
East Bengal	98.3	67.1	92.7	74.7	83.7	+0.3	0.17	1.43	-1.26	0.6	2.1	-1.6	3.27	3.92	85.18	83.30
North Bengal	107.4	81.3	96.2	72.2	84.2	-	0.62	0.97	-0.35	1.6	1.7	-0.1	1.16	2.59	72.5	75.37
North Benar	108.0	67.4	101.3	75.0	88.3	+2.4	0.25	0.30	-0.05	0.7	0.7	-0	0.25	0.74	48.64	48.81
South Benar	111.0	67.0	103.9	76.4	90.2	+2.4	0.11	0.12	-0.01	0.2	0.4	-0.2	0.11	0.42	50.71	43.54
Chutia Nagpur	105.5	68.9	103.4	75.4	89.4	+4.1	0.12	0.14	-0.02	0.6	0.4	+0.2	0.12	0.47	59.73	50.22

† Purneah not included.

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;

The 4th March 1886.

ALEXANDER PRIDLER,

Offg. Meteorological Reporter to the Govt. of Bengal.

**Results of the Thermometrical Observations taken at the Meteorological Office,
Chowringhee, from 25th April to 1st May 1886.**

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1886.		°	°	°	°	°	Inches.	°	%	Inches.
April	25th	86.7	98.5	20.7	77.8	77.6	.825	73.4	65	Nil.
"	26th	84.8	94.0	16.0	78.0	79.2	.924	76.9	77	"
"	27th	86.1	97.0	19.2	77.8	79.8	.933	77.1	75	"
"	28th	86.8	97.2	19.2	78.0	80.1	.938	77.3	73	"
"	29th	85.3	98.0	20.7	77.3	79.4	.925	76.9	76	"
"	30th	86.8	100.0	22.7	77.3	76.5	.775	78.5	61	"
May	1st	87.0	98.5	19.7	78.8	76.0	.750	70.6	58	"

The mean temperature of the seven days

The extreme variation of temperature

The maximum temperature

The mean relative humidity

The total fall of rain from 25th April to 1st May 1886

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 3rd May 1886.

A. PEDLER,
For Meteorological Reporter to the Govt. of India.

MEMORANDUM.

DURING the week ending 17th April 1886, the returns of the principal Municipalities in Bengal presented the following results :—

1. That the birth-rate in these Municipalities amounted to 18·8 per 1,000 of population against the same proportion in the preceding week ending 10th April, and the death-rate to 24·3 per 1,000 against very nearly the same ratio, *viz.*, 24·8 per 1,000.

2. That the Municipalities which returned the highest proportion of births and deaths were :—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Bhagulpore	...	32·6	Uterpara	...	75·5
Beauleah	...	31·5	Beauleah	...	49·9
Howrah	...	30·3	Gya	...	48·5
			Comillah	...	46·2
			Purneah	...	45·0
			Puri	...	35·7
			Serampore	...	33·4
			Suburbs of Calcutta	...	31·2

3. That the mortality from the specific diseases did not exhibit any noticeable differences in comparison with the death-rates from the same diseases during the preceding week, *vide* the subjoined table :—

				Ratio per mille during the weeks ending—	
				17th April 1886.	10th April 1886.
Cholera	...	...	...	3·4	2·7
Small-pox	...	...	...	·2	·03
Fever	...	...	...	10·0	10·2
Bowel-complaints	...	...	...	3·2	3·7
Injury	...	...	...	·3	·4
Other diseases	...	...	...	7·2	7·8

4. That the highest death-rates from cholera, fever and the maladies classed under the head of "other causes" were returned from the following Municipalities, the rest of the diseases not proving conspicuously fatal anywhere :—

Cholera.		Fever.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Uterpara	47·2	Purneah	38·1	Puri	21·0
Comillah	27·0	Beauleah	34·2	Serampore	17·7
Howrah	11·4	Gya	23·9	Dacca	13·6
Serampore	7·8			Gya	11·6
Gya	7·5			Midnapore	10·8
Suburbs of Calcutta	6·2			Burdwan	10·7
				Durbhanga	10·2

5. That the mortality referable to Sex, Class and Age stands as noted below :—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	24·4	Christians	13·0	Under 1 year	193·8
Females	24·3	Hindus	24·5	1 year and under 5 years	37·9
Ratio of male deaths to every 100 female deaths	114	Mahomedans	24·3	5 " " 10 "	12·7
		Budhists	24·2	10 " " 15 "	10·4
				15 " " 20 "	20·4
				20 " " 30 "	16·5
				30 " " 40 "	17·3
				40 " " 50 "	16·2
				50 " " 60 "	25·1
				60 years and upwards	47·8

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 3rd May 1886.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 17th April 1886.

MORTALITY ACCORDING TO—																
Disease.										Sex.						
RATIO PER 1,000 OF POPULATION PER ANNUM.										RATIO OF DEATHS TO EVERY 100 FEMALE DEATHS.						
DEATHS FROM—										DEATHS.						
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DISTRICTS.		DEATHS AMONG—										RATIO PER 1,000 OF POPULATION PER ANNUM.										DEATHS.										Age.										RATIO PER 1,000 OF POPULATION PER ANNUM.									
		DEATHS AMONG—					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.					RATIO PER 1,000 OF POPULATION PER ANNUM.														
		DEATHS AMONG—					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.					RATIO PER 1,000 OF POPULATION PER ANNUM.														
NAMES OF MUNICIPALITIES.		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up.																				
Burdwan	...	1	10	4	...	...	3881	240	203	...	...	2	4	...	1	3	5	1	1	1	...	1576	922	...	207	499	151	75	118	...	...	351													
Midnapore	...	...	9	3	...	...	...	180	216	...	...	2	2	1	1	1	1	1	1	1	...	1400	442	...	171	159	71	94	...	...	252	284										
Hughli	...	...	14	2	...	...	...	230	132	...	...	4	2	...	...	...	...	...	...	...	...	2295	390	...	...	175	67	148	101	...	159	468		
Serampore	...	...	16	1	...	...	...	330	354	...	...	3	3	...	...	...	...	...	...	...	...	2197	864	...	...	138	193	314	...	...	272	748	
Howrah	...	...	8	...	...	...	...	781	...	...	...	1	1	...	...	...	...	...	...	...	...	3230	1255	...	1086	...	904	980	...	1413	...	...																	
24 Pergunnahs	...	...	25	16	...	...	...	191	406	...	...	10	5	4	2	...	...	...	...	...	...	2521	469	...	158	...	69	243	88	189	...	555						
Ball	...	...	5	...	...	...	...	194	...	...	...	2	1	...	...	...	...	...	...	...	...	2873	521	...	...	390	...	...	...	...	...	710	
Suburbs of Calcutta	...	1	89	61	...	...	128	209	288	...	...	20	11	5	6	12	34	25	13	...	...	2183	354	...	174	346	304	232	184	368	...	584													
Kishnagur	...	...	1	1	...	...	...	28	63	...	...	1	...	...	...	...	...	...	...	...	...	1018	211	...	...	...	...	...	...	...	...	...										
Ranaghat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Santipore	...	...	1	2	...	...	...	25	116	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jessore	...	...	2	1	...	...	...	231	136	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rampore Beaulah	...	...	10	9	...	...	...	525	477	...	...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Darjiling	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dacca	...	...	22	18	...	...	...	254	258	...	...	6	4	1	2	4	8	3	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Naryanganj	...	...	2	3	...	...	...	164	253	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chittagong	...	1	3	1	1	...	...	653	34	2167	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Comillah	...	...	8	4	...	...	...	696	281	...	...	1	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Patna City	...	...	54	11	...	...	...	236	140	...	...	13	10	3	4	1	4	9	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Gya	...	...	53	18	...	...	...	459	582	...	...	16	17	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Arrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mozufferpore	...	...	3	4	...	...	...	52	167	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Durbhanga	...	...	26	4	...	...	...	279	118	...	...	5	5	4	1	3	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
Saran	...	...	11	4	...	...	...	139	173	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bhagulpore	...	...	18	4	...	...	...	235	121	...	...	5	1	1	1	1	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Monghyr	...	...	20	4	...	...	...	233	165	...	...	6	5	3	1	2	1	...	...	...	...	...	...	...	...	...	...	...												

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 3rd May 1886.

R. LUDDERDALE, M.D., Deputy Surgeon-General,

Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT—BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low water in the Rivers Ganges, Bhagiruthi, Jellinghee, and Brahmaputra, for the month of February 1886.

Date.	Distance.	RIVER GANGES.										RIVER BRAHMAPUTRA.	
		Mirzapore.	Banaras.	Buxar.	Dinapore.	Monghyr.	Sahibganj.	Rampore Beaulah.	Goalundo.	Berhampore.	Krishnagur.	RIVER JELLINGHEE.	Gowhatti.
1st
2nd
3rd
4th
5th
6th
7th
8th
9th
10th
11th
12th
13th
14th
15th
16th
17th
18th
19th
20th
21st
22nd
23rd
24th
25th
26th
27th
28th

D. B. HORN,
Under-Secy. to the Govt. of Bengal.

The 30th April 1886.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing the total amount of Traffic and Tolls on the Canals classed as
Productive Public Works for the month of February 1886.

ORISSA CIRCLE.

Taldundah Canal.

LENGTH OF CANAL OPEN—27½ MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Number of passengers.	Ton- mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.				

LOCAL TRAFFIC

(1)—PRIVATE.

	ARTICLES OF FOOD.	Mds.	Rs.					Rs. A. P.	A. P.
4	Paddy	1,399	1,350	2,312	83	.....	1,155	11 12 0	.....
3	Jaggery	858	4,280	1,211	43	.....	1,081	11 8 0	.....
	STAPLES OF MANUFACTURE.								
1	Mustard seed	357	1,071	462	16	.....	247	2 4 0	.....
	BUILDING MATERIALS.								
9	Laterite rubble	3,460	104	5,983	214	.....	3,210	59 0 0	.....
...	Unwrought timber and piles (38 in number) ... ..	.....	71	.....	.....	.....	.....	7 7 6	.....
...	Bamboos (28,600 in number) ... ..	.....	402	.....	.....	.....	.....	17 10 0	.....
	FUEL.								
1	Charcoal	225	70	420	15	.....	60	2 0 0	.....
	MISCELLANEOUS.								
20	Passenger boats ... ..	.....	.....	14,814	529	1,271	1,587	73 2 0	.....
45	Empty do. ... ..	.....	.....	1,721	562	.....	6,182	47 2 0	.....
4	Kandur reeds	1,625	165	2,623	94	.....	940	13 0 0	.....
87	Total	7,924	7,513	43,546	1,556	1,271	14,462	244 13 6	0 3 2
74	Total of same month last year	2,930	3,165	26,570	949	.....	8,367	144 9 8	0 3 3

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

	BUILDING MATERIALS.	Mds.	Rs.					Rs. A. P.	A. P.
1	Sand cut stone	363	40	600	23	.....	635	6 8 0	.....
2	Laterite blocks	946	36	1,584	57	.....	576	7 12 0	.....
6	Sand stone rubble	2,049	117	4,537	162	.....	1,620	25 4 0	.....
1	Crane boat	796	3,000	1,267	45	.....	1,215	12 8 0	.....
	MISCELLANEOUS.								
9	Empty boats ... ..	.....	.....	2,597	93	.....	1,302	7 0 0	.....
1	Stores, &c.	20	100	54	2	.....	54	0 8 0	.....
20	Total	4,774	3,293	10,699	382	.....	5,396	59 8 0	0 2 1
66	Total of same month last year	12,634	1,691	33,094	1,182	.....	27,319	260 2 0	0 1 8

ABSTRACT.

		Mds.	Rs.					Rs. A. P.	
87	Private, including miscellaneous	7,924	7,513	43,546	1,556	1,271	14,462	244 13 6	.....
20	Government stores, including ditto	4,774	3,293	10,699	382	.....	5,396	59 8 0	.....
107	Grand Total	12,698	10,806	54,245	1,938	1,271	19,858	304 5 6	.....
140	Grand Total of same month last year	15,884	4,856	59,664	2,131	.....	35,686	404 11 8	.....

MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month	55 3 0
Amount of tollage for the month	304 5 6
Total	359 8 6
Amount credited in the accounts for the month	291 0 0
Balance at the end of the month	68 8 6

Kendrapara Canal and its Branch to Gundakia on the Gobri River.

LENGTH OF CANAL OPEN—75 MILES.

LOCAL TRAFFIC.

(1)—PRIVATE.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Number of passengers.	Ton mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.				
	ARTICLES OF FOOD.	Mds.	Rs.					Rs. A. P.	A. P.
100	Paddy	8,200	11,800	15,812	547	.....	13,811	178 5 8	.....
96	Rice	36,500	1,44,500	94,438	2,301	.....	120,787	1,130 4 6	.....
1	Gram	2,500	10,000	4,721	169	.....	6,356	66 7 3	.....
39	Jaggery	5,200	26,000	9,863	352	.....	10,263	122 7 6	.....
14	Salt	2,000	6,000	3,637	130	.....	4,068	42 15 5	.....
1	Ghee	20	800	66	2	.....	94	1 3 4	.....
7	Dry fish	200	1,000	400	18	.....	546	8 0 5	.....
	STIMULANT.								
2	Tobacco	20	200	61	2	.....	33	0 8 10	.....
	STAPLES OF MANUFACTURE.								
7	Jute	1,500	8,000	2,696	96	.....	1,818	32 7 6	.....
3	Hides	550	5,500	1,813	65	.....	2,592	38 13 6	.....
1	Mustard seed	30	100	58	2	.....	50	0 8 0	.....
4	Til seed	1,500	6,000	3,435	123	.....	6,390	70 1 0	.....
	BUILDING MATERIALS.								
4	Ghosting lime	700	180	1,353	48	.....	1,056	14 13 6	.....
35	Unwrought timber and piles (3,613 in number)	2,000	5,000	3,564	127	.....	4,944	324 6 8	.....
1	Bullahs	20	10	33	1	.....	20	0 5 0	.....
...	Bamboos (134,955)	.....	1,620	.....	.....	.....	.....	115 13 8	.....
	FUEL.								
2	Coal and coke	200	250	936	33	.....	1,305	14 12 0	.....
15	Firewood	5,500	550	9,805	350	.....	12,215	170 10 0	.....
	COOKING UTENSILS AND OTHER DOMESTIC IMPLEMENTS.								
14	Earthenware and earthenpots	550	60	1,080	39	.....	475	11 2 3	.....
	MISCELLANEOUS.								
81	Passenger boats	.....	.....	59,455	2,123	2,790	105,372	1,314 0 2	.....
358	Empty do.	.....	.....	55,169	1,970	.....	68,022	427 0 2	.....
14	Straw	450	110	1,186	42	.....	530	6 4 4	.....
3	Oilcake	300	300	578	21	.....	588	8 5 9	.....
1	Kharee	500	2,000	829	30	.....	1,200	19 9 6	.....
49	Miscellaneous goods, &c.	16,500	50,000	30,817	1,101	.....	51,826	979 9 10	.....
3	Gunny	1,000	5,000	1,822	65	.....	2,600	39 0 6	.....
855	Total	85,040	2,84,980	2,73,219	9,757	2,790	416,061	4,838 0 3	0 2 2
880	Total of same month last year..	90,800	3,17,910	2,61,415	9,337	4,263	394,615	4,203 6 6	0 2 0

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

	BUILDING MATERIAL.	Mds.	Rs.				Rs. A. P.	A. P.
1	Brick	300	20	483	17	.....	17	2 15 6
6	Building stones	2,500	50	4,327	155	.....	8,370	88 12 0
1	Lime	200	50	390	14	.....	756	7 8 0
8	Timber goyals	1,500	200	2,246	80	.....	2,908	26 1 8
	MISCELLANEOUS.							
14	Empty boats	.....	.....	1,924	69	.....	670	17 14 3
1	Pile driver	.....	.....	181	6	.....	90	1 13 0
4	Stores, &c.	2,000	500	3,480	124	.....	6,200	72 12 0
35	Total	6,500	820	13,031	465	.....	19,011	217 11 5
46	Total of same month last year..	3,570	1,580	10,694	382	.....	9,962	88 8 2

ABSTRACT.

	Mds.	Rs.				Rs. A. P.
855	Private, including miscellaneous	85,040	2,84,980	2,73,219	9,757	416,061
35	Government stores, including miscellaneous.	6,500	820	13,031	465	19,011
...	Received from Messrs. J. Bullock & Co. for tollage due on steamer plying in False Point line for 1884-85.	.....	.....	.....	.....	350 0 0
890	Grand Total	92,440	2,85,800	2,86,250	10,222	435,072
926	Grand Total of same month last year.	94,370	4,19,490	2,72,109	9,719	404,577

MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month	6,360 13 6
Amount of tollage for the month	5,405 11 8
Total	11,772 9 2
Amount credited in the accounts for the month...	5,396 5 1
Balance at the end of the month	6,376 4 1

High Level Canal, Range I.

LENGTH OF CANAL OPEN—34 MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Number of passengers.	Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.				

LOCAL TRAFFIC.

(1)—PRIVATE.

ARTICLES OF FOOD.		Mds.	Rs.					Rs. A. P.	A. P.
16	Paddy	1,700	2,600	3,345	119	.....	4,046	40 8 0	.....
181	Rice	10,500	40,000	19,604	700	.....	19,504	249 3 0	.....
1	Gram	50	200	130	5	.....	165	1 9 0	.....
14	Jaggery	1,200	6,000	3,600	129	.....	2,048	16 12 6	.....
28	Salt	3,000	9,000	5,653	202	.....	6,060	61 1 6	.....
9	Cocoanuts	500	500	934	33	.....	1,089	10 14 0	.....
3	Turmeric	250	1,000	479	17	.....	561	5 11 0	.....
9	Fish (dry)	200	1,000	645	23	.....	759	7 11 0	.....
STAPLES OF MANUFACTURE.									
1	Cotton	100	1,000	280	10	.....	220	2 1 0	.....
4	Til seed	400	1,500	655	23	.....	807	7 13 0	.....
BUILDING MATERIALS.									
1	Ghooting lime	200	50	343	12	.....	72	0 13 0	.....
7	Unwrought timber and piles (1,733 in number)	100	1,300	265	9	.....	216	331 11. 6	.....
1	Bullahs	30	10	52	2	.....	68	0 10 0	.....
1	Bamboos, (10,700 in number)	200	150	390	14	.....	462	14 0 6	.....
FUEL.									
1	Charcoal	70	40	154	6	.....	132	1 2 0	.....
35	Firewood	5,000	500	10,747	384	.....	5,430	75 3 6	.....
MISCELLANEOUS.									
8	Passenger boats ... ..	.....	.....	704	25	60	766	10 5 9	.....
250	Empty ... ..	.....	.....	26,397	943	.....	22,663	117 7 3	.....
25	Straw	2,000	500	6,227	222	.....	3,060	27 7 0	.....
2	Chalk	100	500	295	11	.....	374	3 7 0	.....
28	Miscellaneous goods, &c.	2,500	5,500	4,701	168	.....	5,303	55 12 0	.....
628	Total	28,100	72,550	85,000	3,057	60	73,859	1,041 3 0	0 27
641	Total of same month last year	33,030	88,200	94,924	3,590	.....	99,379	1,223 7 6	0 24

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

MISCELLANEOUS.		Mds.	Rs.					Rs. A. P.	A. P.
2	Empty boats ... ..	.....	.....	1,257	45	.....	1,485	7 13 0	.....
2	Total ... ..	.....	.....	1,257	45	.....	1,485	7 13 0	0 60
2	Total of same month last year ... ..	.....	.....	2,362	84	.....	2,772	13 12 0	0 10

ABSTRACT.

		Mds.	Rs.					Rs. A. P.	
628	Private, including miscellaneous	28,100	72,550	85,000	3,057	60	73,859	1,041 3 0	.....
2	Government stores, including ditto ... ..	.....	.....	1,257	45	.....	1,485	7 13 0	.....
630	Grand Total	28,100	72,550	86,257	3,102	60	75,344	1,049 0 0	.....
643	Grand Total of same month last year	33,030	88,200	97,286	3,474	.....	102,151	1,237 3 6	.....

		MEMO.		Rs. A. P.	
Unrecovered balance on the 1st of the month...		433 2 3	...
Amount of tollage for the month	1,049 0 0	...
				Total	1,482 2 3
Amount credited in the accounts for the month	1,276 11 0	...
Balance at the end of the month	205 7 3	...

High Level Canal, Range II.

LENGTH OF CANAL OPEN—12½ MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Number of passengers.	Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.				

LOCAL TRAFFIC.

(1)—PRIVATE.

	ARTICLES OF FOOD.	Mds.	Rs.					Rs. A. P.	A. P.
17	Paddy	2,178	2,178	4,337	156	.....	595	27 2 0	.....
98	Rice	7,673	15,346	15,346	518	.....	7,050	95 12 6	.....
6	Pulses and other crops	374	1,406	748	28	.....	312	4 10 0	.....
9	Fruits and vegetables	278	278	556	20	.....	210	3 7 6	.....
3	Jaggery	389	3,890	778	28	.....	36	4 13 6	.....
5	Salt	915	4,575	1,830	65	.....	529	11 6 0	.....
	STIMULANT.								
1	Tobacco	72	288	144	5	.....	60	0 14 0	.....
	STAPLES OF MANUFACTURE.								
8	Gravelly	1,082	4,328	2,165	77	.....	924	13 7 0	.....
2	Saffron	227	2,270	455	16	.....	192	2 13 0	.....
	BUILDING MATERIALS.								
2	Planks ... ..	.....	650	132	4	.....	40	3 13 6	.....
56	Unwrought timber and piles ... ..	.....	.....	2,931	105	.....	394	169 2 3	.....
263	Gyees ... ..	.....	.....	.....	.....	.....	.....	1 2 3	.....
7	Bamboos ... ..	.....	.....	.....	.....	.....	.....	7 1 0	.....
	MISCELLANEOUS.								
1	Passenger ... ..	.....	.....	121	4	458	52	0 12 0	.....
111	Empty boats ... ..	.....	.....	8,127	288	.....	3,441	25 4 3	.....
67	Dongahs ... ..	.....	.....	.....	.....	.....	.....	17 1 0	.....
5	Lac	395	3,950	791	28	.....	325	4 14 0	.....
1	Accommodation boat ... ..	.....	.....	123	4	.....	48	0 12 0	.....
1	Benagras ... ..	.....	.....	.....	.....	.....	.....	0 6	.....
596	Total	13,583	38,599	38,606	1,374	458	14,139	393 10 3	0 53
358	Total of same month last year	15,890	49,010	46,481	1,659	.....	19,946	409 1 3	0 39

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

	BUILDING MATERIALS.	Mds.	Rs.					Rs. A. P.	A. P.
2	Bricks ... ..	.....	.....	707	25	.....	50	4 6 0	.....
15	Rubble and laterite ... ..	.....	.....	8,123	290	.....	3,480	50 7 6	.....
2	Beams	273	27	546	20	.....	240	3 6 0	.....
	FUEL.								
5	Charcoal ... ..	.....	.....	938	33	.....	396	5 13 0	.....
42	Firewood	7,502	740	15,005	535	.....	4,535	92 15 0	.....
	MISCELLANEOUS.								
57	Empty boats ... ..	.....	.....	10,218	366	.....	3,462	31 6 0	.....
30	Dongahs ... ..	.....	.....	.....	.....	.....	.....	7 14 0	.....
153	Total	7,775	776	35,540	1,269	.....	12,163	196 3 6	0 39
134	Total of same month last year	10,600	1,550	85,930	1,283	.....	13,273	187 11 6	0 27

ABSTRACT.

		Mds.	Rs.					Rs. A. P.	
596	Private, including miscellaneous	13,583	38,599	38,606	1,374	458	14,139	393 10 3	.....
153	Government stores, including ditto	7,775	776	35,540	1,269	.....	12,163	196 3 6	.....
749	Grand Total	21,358	39,375	74,146	2,643	458	26,302	589 13 9	.....
492	Grand Total of same month last year	26,490	50,540	82,411	2,942	.....	33,219	596 12 9	.....

	Memo.	Rs. A. P.
Unrecovered balance on the 1st of the month ... ..	.....	150 15 6
Amount of tolls for the month ... ..	.....	589 13 9
Amount credited in the accounts for the month	Total	740 13 3
Balance at the end of the month ... ..	.....	479 12 4
		261 0 11

High Level Canal, Range III.

LENGTH OF CANAL OPEN—20 MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Number of passengers.	Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Mauds.	Tons.				

LOCAL TRAFFIC.

(1)—PRIVATE.

ARTICLES OF FOOD.		Mds.	Rs.					Rs. A. P.	A. P.
60	Rice	4,546	9,092	9,092	324	.....	3,326	56 10 0	.....
4	Jaggery	527	5,270	1,054	38	.....	634	6 9 6	.....
STAPLES OF MANUFACTURE.									
2	Saffron	219	2,190	438	15	.....	210	2 11 6	.....
MISCELLANEOUS.									
63	Empty boats ... ..	.....	.....	2,946	105	665	1,056	12 5 9	.....
129	Total	5,292	16,552	13,530	482	665	5,276	78 4 9	0 2 8
1-3	Total of same month last year ..	7,500	22,010	19,492	697	.....	4,474	106 5 9	0 4 5

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

BUILDING MATERIALS.								Rs. A. P.	A. P.
38	Brick ... ..	.....	.....	5,816	208	.....	1,368	104 7 6	.....
3	Ghooting ... ..	.....	.....	1,021	36	.....	360	6 6 0	.....
4	Lime, &c. ... ..	.....	.....	1,432	51	.....	510	8 15 0	.....
MISCELLANEOUS.									
35	Empty boats ... ..	.....	.....	6,350	226	.....	1,362	19 9 6	.....
80	Total ... ..	.....	.....	14,599	521	.....	3,540	139 6 0	0 7 5
3	Total of same month last year...	300	50	934	33	.....	494	5 2 3	0 2 0

ABSTRACT.

		Mds.	Rs.					Rs. A. P.	
129	Private, including miscellaneous	5,292	16,552	13,530	482	665	5,276	78 4 9	.....
80	Government stores, including ditto	.....	.....	14,599	521	.....	3,540	139 6 0	.....
209	Grand Total	5,292	16,552	28,129	1,003	665	8,816	217 10 9	.....
186	Grand Total of same month last year.	7,800	22,060	20,426	730	.....	4,968	111 8 0	.....

MEMO.

		Rs. A. P.
Unrecovered balance on the 1st of the month	...	144 13 3
Amount of tollage for the month	...	217 10 9
	Total	362 8 0
Amount credited in the accounts for the month...	...	99 3 3
Balance at the end of the month	...	263 4 9

SOUTH-WESTERN CIRCLE.

Midnapore Canal.

LENGTH OF CANAL OPEN—53 MILES.

ARTICLES OF FOOD.		Mds.	Rs.					Rs. A. P.	
793	Paddy	1,58,007	1,68,574	2,34,316	...	.....	.....	3,892 7 9	.....
166	Rice	57,995	1,26,674	1,07,755	.....	.....	.....	1,543 7 6	.....
26	Gram	5,380	15,315	12,100	.....	.....	.....	130 11 6	.....
18	Pulses and other crops	2,410	6,945	5,535	.....	.....	.....	29 12 3	.....
85	Fruits and vegetables	7,693	15,457	17,595	.....	.....	.....	295 13 9	.....
22	Sugar, unrefined	2,360	8,970	6,820	.....	.....	.....	66 13 6	.....
70	Salt	22,580	60,424	46,865	.....	.....	.....	491 12 0	.....
14	Curd	1,892	2,896	3,115	.....	.....	.....	26 9 6	.....
9	Betel leaves	355	1,775	1,675	.....	.....	.....	7 14 6	.....
1	Spices	50	400	325	.....	.....	.....	6 14 6	.....
3	Fish	32	160	290	.....	.....	.....	1 1 6	.....

Midnapore Canal—continued.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Number of passengers.	Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.				
LOCAL TRAFFIC.									
(1)—PRIVATE.									
	STIMULANT.	Mds.	Rs.					Rs. A. P.	A. P.
7	Tobacco	285	1,495	1,250	.....	.....	.....	15 12 6	.....
	CLOTHING.								
4	Cotton piece-goods (Indian) ...	25	2,250	355	.....	.....	.....	2 8 3	.....
2	Ditto (European) ...	239	9,090	725	.....	.....	.....	4 4 6	.....
	STAPLES OF MANUFACTURE.								
10	Brass	3,475	1,02,250	7,925	.....	.....	.....	69 5 6	.....
2	Iron	100	450	450	.....	.....	.....	6 12 0	.....
1	Silk	8	3,200	200	.....	.....	.....	1 12 0	.....
1	Cotton	200	4,000	525	.....	.....	.....	11 2 6	.....
9	Do. twist and yarn (European) ...	1,380	44,200	3,575	.....	.....	.....	23 10 6	.....
1	Jute	75	225	175	.....	.....	.....	0 14 0	.....
5	Hides (4,870 in number) ...	1,095	9,940	2,000	.....	.....	.....	36 7 6	.....
1	Indigo seed	300	3,000	775	.....	.....	.....	16 7 6	.....
1	Indigo	15	3,000	100	.....	.....	.....	3 0 0	.....
3	Mustard seed	390	1,265	900	.....	.....	.....	4 4 0	.....
2	Bones	225	60	890	.....	.....	.....	12 10 0	.....
	BUILDING MATERIALS.								
1	Brick (1,000 in number) ...	.....	7	575	.....	.....	.....	2 5 8	.....
1	Stone laterite	600	100	1,000	.....	.....	.....	21 4 0	.....
4	Sand	590	46	1,400	.....	.....	.....	5 4 0	.....
43	Unwrought timber and piles (1,768 in number) ...	4,085	5,811	3,093	.....	.....	.....	75 0 9	.....
2	Planks	10	55	250	.....	.....	.....	3 7 0	.....
7	Bamboos (4,700 in number) ...	10	477	.....	.....	.....	.....	11 12 0	.....
	LIVE-STOCK.								
1	Bullock, oxen and cow (1 in number) ...	.....	15	125	.....	.....	.....	1 1 6	.....
1	Monkey (60 in number) ...	10	180	50	.....	.....	.....	1 1 0	.....
	FUEL.								
8	Coal and coke	4,681	1,393	8,200	.....	.....	.....	90 0 0	.....
9	Charcoal	3,200	1,760	6,300	.....	.....	.....	108 9 0	.....
	COOKING UTENSILS AND OTHER DOMESTIC IMPLEMENTS.								
13	Earthenware and earthenpots ...	565	206	2,440	.....	.....	.....	12 7 3	.....
5	Stone plates	380	910	765	.....	.....	.....	12 10 0	.....
	MISCELLANEOUS.								
340	Passenger boats ... ..	.....	.....	17,725	.....	2,068	.....	149 12 0	.....
1,063	Empty do. ... ..	.....	.....	76,720	.....	.....	.....	1,216 3 9	.....
15	Straw (156 kahans)	1,112	1,055	3,355	.....	.....	.....	18 12 3	.....
6	Oil-cake	158	191	485	.....	.....	.....	5 14 6	.....
2	Furniture	310	1,400	735	.....	.....	.....	14 11 6	.....
5	Mats	170	645	60	.....	.....	.....	6 2 6	.....
28	Miscellaneous	3,095	8,742	8,345	.....	.....	.....	103 6 0	.....
1	Guany (40 in number) ...	30	120	150	.....	.....	.....	0 9 0	.....
...	Under charges ... ..	.....	.....	3,465	.....	.....	.....	33 6 3	.....
2,751	Total	2,65,078	6,12,538	5,91,620	21,120	2,068	535,458	8,438 2 9	0 0 3
2,535	Total of same month last year...	1,39,477	8,43,440	4,94,950	17,676	.....	255,490	3,980 8 6	0 2 5

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

Nil	...	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...	...
Total of same month last year...	...	...	...	...	...	...	...	...	...

ABSTRACT.

		Mds.	Rs.					Rs. A. P.	
2,751	Private, including miscellaneous Government stores, including miscellaneous ...	2,65,078	6,12,538	5,91,620	21,120	2,068	535,458	8,438 2 9	...
2,751	Grand Total ...	2,65,078	6,12,538	5,91,620	21,120	2,068	535,458	8,438 2 9	...
2,535	Grand Total of same month last year ...	1,39,477	8,43,440	4,94,950	17,676	...	255,490	3,980 8 6	...

MEMO.

RS. A. P.

Amount paid into treasury, in excess up to 31st January 1886 on account of over-payments by Messrs. Hoare, Miller & Co. for steamers and barges, the agreement for fixed tollage having been extended up to 1st October 1885 1,434 14 1

Amount paid into treasury during the month 9,296 10 6

Total

10,811 8 7

Amount of tollage for the month 8,438 2 9

Amount paid in excess which remained unadjusted at the end of the month 2,203 5 10

Canal Ranges I and II closed from 16th February 1886.
Amount paid by the Calcutta Steam Navigation Company Rs. 500-9.

Hidgeelee Tidal Canal.
LENGTH OF CANAL OPEN—29 MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Number of passengers.	Ton-miles.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maulds.	Tons.				

LOCAL TRAFFIC.
(1)—PRIVATE.

	ARTICLES OF FOOD.	Mds.	Rs.					Rs. A. P.	A. P.
400	Paddy	62,400	71,215	1,28,200	.....	.....	.....	1,781 3 6	.....
181	Rice	21,145	45,945	41,993	.....	.....	.....	365 8 3	.....
27	Fruits and vegetables	1,020	674	2,705	.....	.....	.....	25 15 0	.....
27	Jaggery	2,017	5,069	5,093	.....	.....	.....	53 7 3	.....
23	Salt	4,040	12,412	10,530	.....	.....	.....	87 13 3	.....
26	Oil	1,465	14,530	4,845	.....	.....	.....	46 9 0	.....
	STIMULANT.								
46	Tobacco	2,156	12,938	6,985	.....	.....	.....	87 6 0	.....
	CLOTHING.								
7	Cotton piece-goods (European)	400	10,000	1,650	.....	.....	.....	18 15 0	.....
	STAPLES OF MANUFACTURE.								
1	Iron	100	800	300	.....	.....	.....	2 1 0	.....
1	Cotton	30	1,000	60	.....	.....	.....	0 10 9	.....
4	Jute	700	1,250	1,675	.....	.....	.....	11 8 3	.....
2	Hides	175	2,500	400	.....	.....	.....	5 9 0	.....
	BUILDING MATERIALS.								
1	Brick	500	40	975	.....	.....	.....	6 11 3	.....
3	Chooting lime	300	65	475	.....	.....	.....	3 4 3	.....
1	Unwrought timber and piles	2,093	2,507	175	.....	.....	.....	24 1 6	.....
11	Bamboos	1,764	300	1,945	.....	.....	.....	21 2 3	.....
	FUEL.								
7	Coal and coke	1,480	368	2,975	.....	.....	.....	41 13 9	.....
13	Firewood	615	156	2,005	.....	.....	.....	16 13 3	.....
	COOKING UTENSILS AND OTHER DOMESTIC IMPLEMENTS.								
9	Earthenware and earthen pots...	245	88	965	.....	.....	.....	11 8 0	.....
	MISCELLANEOUS.								
110	Passenger boats ... ..	.....	.....	13,455	.....	881	.....	175 2 9	.....
645	Empty do ... ..	.....	.....	61,580	.....	.....	.....	638 6 6	.....
27	Straw	6,130	1,800	13,250	.....	.....	.....	91 13 9	.....
1	Furniture	75	750	175	.....	.....	.....	1 3 3	.....
5	Mats	640	1,930	1,495	.....	.....	.....	12 5 3	.....
40	Miscellaneous	915	8,962	3,515	.....	.....	.....	30 13 3	.....
1,708	Total	1,11,245	1,95,588	3,11,045	11,108	881	202,290	3,563 13 3	0 3 3
1,038	Total of same month last year	76,519	1,56,394	2,17,210	7,757	.....	85,332	1,500 4 6	0 3 3

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS

	BUILDING MATERIALS.	Mds.	Rs.					Rs. A. P.	
...	Timber	200	150	.....	.....	.....	.....	5 6 0	.....
	MISCELLANEOUS.								
3	Empty boats ... ..	.....	.....	230	.....	.....	.....	1 9 0	.....
4	Stores, &c.	800	535	1,825	.....	.....	.....	12 8 9	.....
7	Total	1,000	685	2,055	73	.....	807	19 7 9	0 4 6
3	Total of same month last year...	250	420	475	17	.....	187	3 4 3	0 0 6

ABSTRACT.

		Mds.	Rs.					Rs. A. P.	
1,708	Private, including miscellaneous.	1,11,245	1,95,588	3,11,045	11,108	881	202,290	3,563 13 3	.....
7	Government stores, including miscellaneous.	1,000	685	2,055	73	.....	807	19 7 9	.....
1,715	Grand Total	1,12,245	1,96,273	3,13,100	11,181	881	203,097	3,583 5 0	.....
1,041	Grand Total of same month last year.	76,769	1,56,814	2,17,685	7,774	.....	85,519	1,503 8 9	.....

MEMO.

		Rs. A. P.
Balance remaining to be paid into treasury on the 1st of the month	...	711 0 3
Amount of tollage for the month	...	3,383 5 0
	Total	4,094 5 3
Amount paid into the treasury during the month	...	2,902 3 6
Balance remaining to be paid in at the end of the month	...	1,392 1 9

SONE CIRCLE.

Eastern Main and Patna Canals.

LENGTH OF CANAL OPEN—86½ MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Number of passengers.	Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.				

LOCAL TRAFFIC.

(1)—PRIVATE.

	ARTICLES OF FOOD.	Mds.	Rs.					Rs. A. P.	A. P.
1	Rice	30	90	101	3	298	3 2 0		
9	Fruits and vegetables	1,365	1,460	2,537	91	6,104	61 2 9		
1	Jaggery	150	300	293	11	602	6 7 6		
4	Sugar	230	1,235	480	17	696	6 12 9		
19	Salt	3,106	8,363	5,330	294	14,116	140 8 0		
	STIMULANT.								
3	Tobacco	350	1,100	931	34	1,408	14 12 6		
	CLOTHING.								
2	Cotton piece-goods (Indian)	230	13,301	434	15	1,211	12 7 6		
	STAPLES OF MANUFACTURE.								
1	Bones	80	20	153	5	336	3 8 3		
9	Hides	1,598	13,500	2,339	82	5,485	55 4 9		
	Horns								
	BUILDING MATERIALS.								
1	Building-stores	300	80	408	15	290	1 9 0		
10	Stone lime	3,200	1,030	4,489	160	12,607	132 4 0		
1	Cumbrant timber and piles	100	64	138	7	141	1 6 9		
	Beams and burahs, 8 r. ft.						5 14 0		
38	Bullahs (14,376 in number, 57,175 c. ft.)	57,000	5,180	2,001	71	947	187 8 3		
	Bamboos (355,000 in number)								
	FUEL.								
1	Coal	250	125	472	17	672	6 14 3		
	Firewood (1,800 number)	1,000	110				2 4 0		
	COOKING UTENSILS AND OTHER DOMESTIC IMPLEMENTS.								
9	Stones plates	3,980	1,260	5,751	206	14,601	77 6 0		
	MISCELLANEOUS.								
5	Passenger boats			357	13	886	8 1 9		
58	Empty do.			5,149	182	6,831	32 12 6		
12	Straw	1,270	1,024	2,303	83	2,993	29 13 6		
1	Blanket	32	500	182	6	377	3 12 6		
1	Khus	80	150	210	7	435	4 5 0		
1	Monj	25	25	177	2	158	1 10 3		
5	Miscellaneous	760	1,825	1,170	41	2,978	24 12 6		
1	Gunny	75	200	206	10	589	5 13 9		
	Tollage on steamer hired out to Mr. Hodges						150 0 0		
193	Total	75,211	50,941	35,564	1,372	74,881	980 6 0	0 23	
156	Total of same month last year	18,639	57,523	30,427	1,402½	76,609	1,382 15 9	0 34	

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

	BUILDING MATERIALS.	Mds.	Rs.					Rs. A. P.	A. P.
2	Building-stores	250	50	426	15	335	3 2 0		
1	Timber			371	13	825	8 3 3		
	MISCELLANEOUS.								
1	Empty boats			104	4	221	1 2 9		
1	Stores, &c.			66	2	158	0 11 3		
5	Total	250	50	967	34	1,539	13 3 3	0 16	
156	Total of same month last year	1,965	270	3,158	112½	3,071	18 14 6	0 11	

ABSTRACT.

		Mds.	Rs.					Rs. A. P.	
193	Private, including miscellaneous	75,211	50,941	35,564	1,372	25	74,881	980 6 0	
5	Government stores, including ditto	250	50	967	34		1,539	13 3 3	
198	Grand Total	75,461	50,991	36,531	1,406	25	76,420	993 9 3	
166	Grand Total of same month last year	20,604	57,793	42,585	1,514½		79,680	1,401 14 3	

MEMO.

		Rs. A. P.
Unrecovered balance on the 1st of the month		155 3 9
Amount of tollage for the month		993 9 3
Amount credited in the accounts for the month	Total	1,128 13 0
Balance at the end of the month		1,062 5 6
		76 7 6

Western Main Canal.

LENGTH OF CANAL OPEN—22 MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Number of passengers.	Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.				

LOCAL TRAFFIC.

(1)—PRIVATE.

ARTICLES OF FOOD.				Mds.	Rs.				Rs. A. P.	A. P.
1	Paddy	...	...	100	25	250	9	304	3 9 6	...
1	Jaggery	...	...	45	50	150	5	80	0 15 0	...
BUILDING MATERIALS.										
1	Stone patias	...	...	312	150	500	18	374	2 0 6	...
COOKING UTENSILES AND OTHER DOMESTIC IMPLEMENTS.										
7	Grind mill stone	...	...	3,186	1,368	4,500	133	3,213	20 9 0	...
MISCELLANEOUS.										
1	Passenger boat	...	...	...	...	125	4	175	1 0 3	...
2	Empty boats	...	...	...	...	225	8	154	0 14 6	...
...	Tollage of cargo boat received from Mr. Hodges, Rs. 16	...	...	...	...	...	...	...	64 0 0	...
...	Ditto ditto ditto from Seetul Singh, Rs. 48	...	...	...	...	...	...	...	...	...
13	Total	...	...	3,643	1,593	5,550	197	4,301	93 0 9	0 4 1
9	Total of same month last year...	...	...	3,550	9,700	4,900	172	9,633	117 8 0	0 2 3

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

Nil	...	...	...	...	...	...	...	...	...
Total	...	...	...	...	...	...	...	...	...
Total of same month last year...	...	...	...	...	...	...	...	...	...

ABSTRACT.

	Mds.	Rs.					Rs. A. P.	
13 Private, including miscellaneous.	3,643	1,593	5,550	197	8	4,301	93 0 9	...
... Government stores, including ditto	...	...	...	...	...	...	...	...
13 Grand Total	3,643	1,593	5,550	197	8	4,301	93 0 9	...
9 Grand Total of same month last year.	3,550	9,700	4,900	172	...	9,633	117 8 0	...

MEMO.

Rs. A. P.

Unrecovered balance on the 1st of the month

Amount of tollage for the month

Total

Amount credited in the accounts for the month

Balance at the end of the month

93 0 9

103 0 9

84 0 3

9 0 6

Arrah Canal.

LENGTH OF CANAL OPEN—65 MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Number of passengers.	Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.				

LOCAL TRAFFIC.

(1)—PRIVATE.

	ARTICLES OF FOOD.	Mds.	Rs.					Rs. A. P.	A. P.
1	Pulses and other crops ...	270	540	370	13	.....	546	5 7 6	.....
35	Jaggery ...	4,447	13,331	7,947	28	.....	10,999	115 2 3	.....
10	Sugar ...	2,151	21,510	3,151	112	.....	4,704	47 9 0	.....
42	Salt ...	1,942	5,826	4,044	144	.....	7,478	90 8 9	.....
	STIMULANT.								
1	Tobacco ...	93	930	143	5	.....	64	0 12 6	.....
	STAPLES OF MANUFACTURE.								
1	Tin ...	262	2,096	362	13	.....	346	5 7 6	.....
1	Hides ...	292	1,892	392	14	.....	812	8 3 3	.....
1	Linseed ...	392	1,176	492	17	.....	986	10 6 3	.....
1	Mustard seed ...	144	432	194	7	.....	406	3 13 3	.....
5	Til seed ...	496	1,488	896	32	.....	1,856	19 9 6	.....
	BUILDING MATERIALS.								
3	Building stores ...	809	150	909	32	.....	1,856	7 6 0	.....
2	Stone lime ...	1,123	314	1,323	47	.....	2,726	19 7 6	.....
1	Unwrought timber and piles ...	83	152	66	2	.....	42	0 7 9	.....
...	Bulbals (27,667 in number) ...	.....	.....	.....	.....	.....	.....	136 11 6	.....
...	Bamboos (198,675 in number) ...	.....	.....	.....	.....	.....	.....	.....	.....
...	Firewood (4,850 in number) ...	.....	.....	.....	.....	.....	.....	.....	.....
	FUEL.								
5	Coal and coke ...	1,710	855	2,210	79	.....	1,354	8 10 0	.....
	MISCELLANEOUS.								
3	Passenger boats ...	.....	.....	269	7	11	221	2 3 9	.....
68	Empty boats ...	.....	.....	5,641	201	.....	6,543	33 8 0	.....
10	Straw ...	1,278	375	2,278	81	.....	3,228	32 0 9	.....
1	Furniture ...	110	829	210	7	.....	189	2 12 0	.....
1	Gunny ...	115	400	165	6	.....	348	3 4 6	.....
...	Received from Buxar Division toll on three cargo boats ...	.....	.....	.....	.....	.....	.....	192 0 0	.....
...	Received from Mr. Hodges toll on steamer and cargo boats—	.....	.....	.....	.....	.....	.....	264 0 0	.....
	Toll on steamer ...	Rs. 200							
	Do. on cargo boats ...	64							
		264							
188	Total ...	15,667	52,356	31,002	847	11	44,704	1,008 7 6	0 4 3
162	Total of same month last year...	21,593	63,142	34,074	1,210	.....	52,935	1,035 7 3	0 3 7

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

	BUILDING MATERIALS.	Mds.	Rs.					Rs. A. P.	A. P.
12	Building stones ...	4,407	826	5,607	200	.....	4,200	26 6 9	.....
	MISCELLANEOUS.								
10	Empty boats ...	.....	.....	2,073	74	.....	2,146	11 13 0	.....
22	Total ...	4,407	826	7,680	274	.....	6,346	38 3 9	0 1 1
6	Total of same month last year...	1,927	1,342	2,432	87	.....	4,858	31 13 6	0 1 3

ABSTRACT.

		Mds.	Rs.					Rs. A. P.	
188	Private, including miscellaneous	15,667	52,356	31,002	847	11	44,704	1,008 7 6	.....
22	Government stores, including ditto	4,407	826	7,680	274	.....	6,346	38 3 9	.....
210	Grand Total ...	20,074	53,182	38,682	1,121	11	51,050	1,046 11 3	.....
168	Grand Total of same month last year...	23,520	64,484	36,526	1,297	.....	57,793	1,067 4 9	.....

MEMO.

						Rs. A. P.
Unrecovered balance on the 1st of the month	...	...	...	...	...	51 6 0
Amount of tollage for the month	...	...	...	...	...	1,046 11 3
Amount credited in the accounts for the month	...	...	...	...	Total	1,098 2 0
Balance at the end of the month	...	...	...	...	...	1,018 14 3
						79 3 9

Buzar Canal.

LENGTH OF CANAL OPEN—45 MILES.

Number of boats.	Nature of Cargo.	APPROXIMATE		TONNAGE OF BOATS.		Number of passengers.	Ton-mileage.	Tollage.	Rate of toll per ton-mile.
		Weight of cargo.	Value of cargo.	Maunds.	Tons.				

LOCAL TRAFFIC.

(1)—PRIVATE.

ARTICLES OF FOOD.							Mds.	Rs.				Rs. A. P.	A. P.	
1	Rice ... ..	...	...	...	...	...	83	290	163	3	.....	165	0 10 3	.....
70	Jaggery ... ..	...	...	...	...	...	15,502	30,500	20,580	735	.....	23,913	305 8 9	.....
1	Sugar ... ..	...	...	...	...	...	150	500	200	7	.....	14	0 6 0	.....
STAPLE OF MANUFACTURE.														
1	Mowah ... ..	...	...	...	...	...	103	103	125	4	.....	136	0 13 0	.....
BUILDING MATERIALS.														
1	Sand ... ..	...	...	...	...	...	300	50	425	15	.....	156	3 3 0	.....
Beams and burgahs—ch withurs 404, poles 5,168, firewood 4,022.		}	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	211 8 9	.....
Bullahs (700)														
Bamboos (442,908)														
FUEL.														
4	Firewood ... ..	...	...	...	...	...	400	100	650	23	.....	252	4 14 0	.....
COOKING UTENSILS AND OTHER DOMESTIC IMPLEMENTS.														
1	Mill stone ... ..	...	...	...	...	...	288	50	360	13	.....	572	3 9 9	.....
MISCELLANEOUS.														
3	Passenger boats ... ..	...	...	...	...	...	.....	.....	225	8	9	232	2 6 0	.....
102	Empty boats ... ..	...	...	...	...	...	.....	.....	6,678	238	.....	6,622	42 6 3	.....
102	Furniture ... ..	...	...	...	...	...	25	200	150	5	.....	80	0 13 6	.....
Tollage of steamer received from Mr. Hodges		...	...	...	...	...	.....	.....	.....	.....	.....	.....	150 0 0	.....
Excess toll recovered		...	...	...	...	...	.....	.....	.....	.....	.....	.....	4 0 6	.....
186	Total ... ..	...	...	...	...	...	16,851	40,799	29,496	1,051	9	32,142	730 3 9	0 4 3
184	Total of same month last year	...	...	...	...	...	13,782	42,629	22,765	811	.....	23,262	782 3 0	0 6 4

(2)—STORES AND MATERIALS FOR IRRIGATION WORKS.

Nil ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total ... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total of same month last year	.....	.....	.....	.....	.....	.....	.....	.....	.....

ABSTRACT.

	Mds.	Rs.					Rs. A. P.	
186 Private, including miscellaneous Government stores, including ditto	16,851	40,799	29,496	1,051	9	32,142	730 3 9	.....
186 Grand Total	16,851	40,799	29,496	1,051	9	32,142	730 3 9	.....
184 Grand Total of same month last year	13,782	42,629	22,765	811	.....	23,262	782 3 0	.....

MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month	40 2 9
Amount of tollage for the month	730 3 9
Total	770 6 6
Amount credited in the accounts for the month	741 6 6
Balance at the end of the month	29 0 0

ABSTRACT FOR THE MONTH OF FEBRUARY 1886.

CANAL.	TRAFFIC, 1885-86.		TRAFFIC, 1884-85.		REMARKS.
	During the month.	To end of the month.	During the corresponding month.	To end of the corresponding month.	
ORISSA CIRCLE.					
Taldunda	
Kendrapara	
High Level, Range 1	
Ditto, ditto 11	
Ditto, ditto 111	
Total Orissa Circle	
SOUTH-WESTERN CIRCLE.					
Midnapore	
Hazlelee Tidal	
Total South-Western Circle	
SONE CIRCLE.					
Eastern Main	
Western Main	
ARRAH	
Buxar	
Total Sone Circle	
GRAND TOTAL					

GOVERNMENT TRANSPORT SERVICE.

CANAL.	TRAFFIC, 1885-86.						TRAFFIC, 1884-85.					
	During the month.			To end of the month.			During the corresponding month.			To end of the corresponding month.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
ORISSA CIRCLE.												
Taldunda and Kendrapara	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High Level	1,138	3,942	1,613 3 1	12,317	38,234	17,603 6 5	1,379	5,592	2,121 14 4	7,420	9,810	10,280 10 11
Total Orissa Circle	1,138	3,942	1,613 3 1	12,317	38,234	17,603 6 5	1,379	5,592	2,121 14 4	16,217	30,941	21,604 9 1
SOUTH-WESTERN CIRCLE.												
Midnapore				81,206	38,604	3,421 11 3	10,615	760	750 0 0	153,834	9,427	8,250 0 0
Total South-Western Circle				81,206	38,604	3,421 11 3	10,615	760	750 0 0	153,834	9,427	8,250 0 0
SONE CIRCLE.												
Eastern Main and Patna												
Western Main and Buxar												
Arrah	3,238	8,142	135 0 0	38,493	89,526	2,970 9 11	2,250	560	717 1 6	5,420	39,444	4,944 9 3
Total Sone Circle	3,238	11,592	235 0 0	38,493	129,968	4,413 14 2	2,810	717	1 6	13,420	42,616	19,379 5 10
GRAND TOTAL	4,576	15,534	1,898 3 1	132,016	2,06,806	25,438 15 10	11,994	9,168	3,588 15 10	183,480	85,984	43,233 14 11

TOTAL NAVIGATION RECEIPTS.

	TRAFFIC, 1885-86.		TRAFFIC, 1884-85.		REMARKS.
	During the month.	To end of the month.	During the corresponding month.	To end of the corresponding month.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Orissa Canals	9,179 12 9	73,259 3 11	8,764 1 1	68,669 14 3	
Midnapore Canal	8,438 2 9	1,19,575 11 3	4,730 8 6	1,14,344 4 0	
Hidgellee Tidal Canal	3,583 5 0	46,778 9 0	1,503 8 9	38,931 12 0	
Sone Canals	3,148 9 0	41,705 8 7	4,085 15 6	45,359 3 3	
GRAND TOTAL	24,349 13 6	2,81,319 0 9	19,084 1 10	2,67,196 1 6	

D. B. HORN,

Under-Secretary to the Govt. of Bengal.

CALCUTTA,
The 4th May 1886.

CIRCULAR AND EASTERN CANALS.

Approximate Return of the Traffic on the Circular and Eastern Canals for the week ending Saturday, the 1st of May 1886.

Number of boats.	Nature of cargo.					Weight of cargo.	Tollage.
						Mds.	Rs.
191	Rice and paddy	...	...	...	...	45,869	855
9	Jute	...	...	...	...	4,825	78
116	Firewood	...	...	...	...	67,025	938
523	Other articles	...	...	...	...	1,33,420	1,806
839	Total					2,51,139	3,677

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 24th April 1886 on 1,515 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	249,225	2,73,444 4 0	29,57,620 30	7,16,914 12 0	18,852 0 6	10,09,241 0 6	64,308½	120,820½	185,129
Or per mile of railway	.....	180 7 10	.....	473 3 9	12 7 1	666 2 8	.....	.....	.....
For previous 15 weeks of half-year	3,576,367	42,77,274 6 0	4,18,73,155 30	1,01,51,708 0 0	3,29,704 7 1	1,47,58,686 13 1	1,027,028½	1,708,808	2,735,836½
Total for 16 weeks	3,825,592	45,50,718 10 0	4,48,90,776 20	1,09,68,652 12 0	3,48,556 7 7	1,57,67,927 13 7	1,091,337	1,829,718½	2,921,055½
COMPARISON.									
Total for corresponding week of previous year	207,972	2,53,623 11 6	27,77,895 10	7,46,602 13 0	28,998 10 9	10,20,225 3 3	68,264	131,563	199,827
Per mile of railway corresponding week of previous year	.....	168 0 4	.....	494 9 8	19 3 4	681 13 4	.....	.....	.....
Total to corresponding date of previous year	899,752½	48,42,315 13 4	4,15,22,426 20	1,04,39,340 13 8	3,32,126 0 5	1,56,13,782 11 5	1,129,752	1,810,961	2,940,713

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 25TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 24TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 25TH APRIL 1885.		TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 24TH APRIL 1886.		Total increase in 1886.		Total decrease 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.		
1,509½	10,29,225	* 682	1,515	10,09,241	666	1,509½	36,29,020	1,515	34,42,153	2,272	.....	1,88,867

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 24th April 1886 on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.	
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
Total traffic for the week	13,009	6,831 1 0	71,222 10	6,189 12 0	48 0 0	13,068 13 0	1,534	1,088
Or per mile of railway	227	119 6 9	1,245 10	108 3 5	0 13 5	228 7 7	.....	.....
For previous 15 weeks of half-year	191,884	1,04,428 3 0	7,70,568 10	55,855 0 0	866 14 6	1,61,150 1 6	27,794	11,377
Total for 16 weeks	204,893	1,11,259 4 0	8,41,790 20	62,044 12 0	914 14 6	1,74,218 14 6	29,328	12,465
COMPARISON.								
Total for corresponding week of previous year	9,342	4,204 14 10	76,632 0	6,209 9 0	63 15 9	10,478 7 7	1,410	1,185
Per mile of railway corresponding week of previous year	163	73 8 3	1,339 30	108 8 11	1 1 11	183 3 1	.....	.....
Total to corresponding date of previous year	218,089½	1,20,852 12 5	9,06,832 10	64,709 13 0	1,127 9 9	1,86,690 3 2	27,156	15,424

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 25TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 24TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 25TH APRIL 1885.		TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 24TH APRIL 1886.		Total increase in 1886.	
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	
57½	10,478	183	57½	13,069	228	57½	39,856	57½	48,608	851	8,812

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 24th April 1886 on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,970	519 5 0	21,303 20	1,131 3 0	24 8 0	1,675 0 0	327½	166	493½
Per mile of railway ...	.....	43 4 5	.....	94 4 3	2 0 8	139 9 4	.....	.....	.....
Per previous 15 weeks of half-year ...	38,890	6,605 3 0	6,30,119 30	7,672 4 0	392 14 0	14,670 5 0	3,222½	3,924	7,146½
Total for 16 weeks ...	41,860	7,124 8 0	6,51,423 10	8,803 7 0	417 6 0	16,345 5 0	3,559	4,090	7,649
COMPARISON.									
Total for corresponding week of previous year ...	2,474½	429 4 8	24,212 0	863 13 0	121 9 3	1,414 10 11	86	266	352
Per mile of railway corresponding week of previous year ...	.....	35 12 5	.....	71 15 9	10 2 1	117 14 3	.....	.....	.....
Total to corresponding date of previous year ...	39,566½	6,816 8 7	3,27,705 0	8,502 5 0	1,108 14 6	16,427 12 1	2,724	2,727	5,451

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 25TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 24TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 25TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 24TH APRIL 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
12	Rs. 1,415	Rs. 118	12	Rs. 1,675	Rs. 140	12	Rs. 4,215	Rs. 351	12	Rs. 4,251	Rs. 354	Rs. 36	.....

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 24th April 1886 on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	5,735	4,231 14 0	81,363 20	4,437 10 0	89 4 0	8,758 13 0	684½	1,259	1,943½
Per mile of railway ...	.....	56 9 2	.....	59 5 3	1 3 1	117 1 6	.....	.....	.....
Per previous 15 weeks of half-year ...	86,374	74,636 4 0	12,69,409 0	53,204 0 6	1,602 13 9	1,29,443 2 3	19,201	17,948½	37,049½
Total for 16 weeks ...	92,109	78,868 2 0	13,50,772 20	57,641 16 6	1,602 1 9	1,38,261 14 3	19,885½	19,107½	38,992½
COMPARISON.									
Total for corresponding week of previous year ...	5,143½	4,308 12 1	77,648 10	3,091 10 0	143 3 3	7,543 9 4	1,057	1,770	2,827
Per mile of railway corresponding week of previous year ...	.....	57 13 4	.....	41 8 0	1 14 9	101 4 1	.....	.....	.....
Total to corresponding date of previous year ...	99,097	84,206 9 5	14,89,799 20	69,808 4 3	2,419 15 0	1,56,434 12 8	17,088	21,558	38,646

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 25TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 24TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 25TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 24TH APRIL 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
74½	Rs. 7,544	Rs. 101	74½	Rs. 8,759	Rs. 117	74½	Rs. 28,340	Rs. 380	74½	Rs. 27,829	Rs. 372	Rs. 411	.....

TARKESWAR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 24th April 1886 on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	21,196	6,094 1 0	10,308 20	394 6 0	5 0 0	6,403 7 0	955	57	1,012
Or per mile of railway	.....	269 13 7	.....	17 11 7	0 3 7	287 12 9	.....	.....	.....
For previous 15 weeks of half-year	311,781	57,044 0 0	1,93,786 50	6,511 9 0	83 5 5	93,038 14 5	14,794	2,860	17,654
Total for 16 weeks	332,977	93,048 1 0	2,04,095 10	7,205 15 0	88 5 5	1,00,342 5 5	15,749	2,917	18,666
COMPARISON.									
Total for corresponding week of previous year	17,247½	4,582 7 3	9,342 0	341 3 0	5 0 9	4,928 11 0	1,081	63	1,144
Per mile of railway corresponding week of previous year	.....	208 4 8	.....	15 8 2	0 3 8	224 0 6	.....	.....	.....
Total to corresponding date of previous year	362,671½	98,509 10 10	3,33,310 10	7,029 6 0	119 9 9	1,05,658 10 7	17,742	6,354	24,096

Approximate Statement of gross receipts of the Tarkeswar Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 25TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 24TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 25TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 24TH APRIL 1886.			Total increase in 1886.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22	4,929	224	22½	6,403	288	22	25,318	1,175	22½	25,893	1,164	45	.....

CAWNPORE-KALPI RAILWAY.

Approximate Return of Traffic for the first 3 days of April 1886, on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period	628	305 5 3	.....	.....	2 0 0	305 5 3	.....	.....	.....
Or per mile of railway	.....	7 3 7	.....	.....	0 0 9	7 4 4	.....	.....	.....
For previous weeks of half-year	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 3 days	628	305 5 3	.....	.....	2 0 0	305 5 3	.....	.....	.....

Approximate Statement of Gross Receipts of the Cawnpore-Kalpi Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 1885.			RECEIPTS FOR THE FIRST 3 DAYS OF APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 3RD APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 3RD APRIL 1886.			Total increase in 1885.	Total decrease in 1885.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
.....	.....	.....	42	305	7	.....	.....	.....	42	305	7	.....	.....

CAWNPORE-KALPI RAILWAY.

Approximate Return of Traffic for week ended 10th April 1886 on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Traffic for the week...	1,799	855 4 6	20,370 30	2,221 4 0	3 0 0	3,079 8 6	.....	.....	588
per mile of railway	.....	20 5 10	.....	52 14 2	0 1 2	73 5 2	.....	.....	.....
previous period of half-year	628	303 5 3	.....	.....	2 0 0	305 5 3	.....	.....	252
Total for 10 days	2,427	1,158 9 9	20,370 30	2,221 4 0	5 0 0	3,384 13 9	.....	.....	840

Approximate Statement of gross receipts of the Cawnpore-Kalpi Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 188 .			RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 188 TO 188 .			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			Total increase in 188 .	Total decrease in 188 .
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
.....	42	3,080	73	.....	.....	.....	42	3,385	81	.....	.....	.....

CAWNPORE-KALPI RAILWAY.

Approximate Return of Traffic for week ended 17th April 1886, on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Traffic for the week...	2,182	967 11 9	15,431 0	1,692 7 0	3 0 0	2,663 2 9	.....	.....	588
per mile of railway	.....	23 0 8	.....	40 4 9	0 1 2	63 6 7	.....	.....	.....
previous 10 days of half-year	2,427	1,158 9 9	20,370 30	2,221 4 0	5 0 0	3,384 13 9	.....	.....	840
Total for 2 weeks	4,609	2,126 5 6	35,801 30	3,913 11 0	8 0 0	6,048 0 6	.....	.....	1,428

Approximate Statement of gross receipts of the Cawnpore-Kalpi Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 188 .			RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 188 TO 188 .			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			Total increase in 188 .	Total decrease in 188 .
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
.....	42	2,663	63	.....	.....	.....	42	6,048	144	.....	.....	.....

CAWNPORE-KALPI RAILWAY.

Approximate Return of Traffic for the week ended 24th April 1886 on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. Sr.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	2,455	1,152 13 9	11,057 20	816 12 0	3 0 0	1,972 9 9	213	375	588
Or per mile of railway	.....	27 7 2	.....	19 7 2	0 1 2	46 15 6	.....	.....	.....
For previous two weeks of half-year	4,609	2,126 5 6	35,891 30	3,913 11 0	8 0 0	6,048 0 6	.....	.....	.....
Total for three weeks	7,064	3,279 3 3	46,859 10	4,730 7 0	11 0 0	8,020 10 3	.....	.....	2,016

Approximate Statement of gross receipts of the Cawnpore-Kalpi Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 188			RECEIPTS FOR WEEK ENDING 24TH APRIL 1886.			TOTAL RECEIPTS FROM 1st APRIL 1885 to 188			TOTAL RECEIPTS FROM 1st APRIL 1886 TO 24TH APRIL 1886.			Total increase in 188	Total decrease in 188
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
.....	.....	.....	42	1,973	47	.....	.....	.....	42	8,021	191	.....	.....

EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 17th April 1886 on 234 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated). Including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	80,105	33,399 0 0	3,04,305 0	35,572 0 0	4,397 0 0	73,278 0 0	10,876	7,418	18,294
Or per mile of railway	342	142 0 0	1,309 0	152 0 0	.....	294 0 0	.....	.....	.....
For previous 14 weeks of half-year	1,345,031	5,63,060 0 0	58,50,520 0	6,78,209 0 0	63,021 0 0	13,04,290 0 0	149,885	141,698	291,483
Total for 15 weeks	1,425,136	5,96,369 0 0	61,54,825 0	7,13,781 0 0	67,418 0 0	13,77,568 0 0	160,761	149,026	309,787
COMPARISON.									
Total for corresponding week of previous year (audited)	76,160	32,402 0 0	2,83,206 0	35,927 0 0	3,977 0 0	72,396 0 0	11,383	8,236	19,619
Per mile of railway corresponding period of previous year	327	140 0 0	1,315 0	154 0 0	.....	294 0 0	.....	.....	.....
Total to corresponding date of previous year	1,585,292	7,58,763 0 0	46,30,510 0	6,03,258 0 0	4,08,917 0 0	17,70,928 0 0	181,191	138,398	319,489

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 18TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1st APRIL 1885 TO 18TH APRIL 1885.			TOTAL RECEIPTS FROM 1st APRIL 1886 TO 17TH APRIL 1886.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
233	72,396	311	234	73,278	313	233	2,50,965	1,077	234	1,95,090	834	.....	55,875

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 17th April 1886 on 126 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Traffic for the week	21,966	7,198 0 0	31,556 0	1,806 0 0	15 0 0	9,019 0 0	3,319	1,949	5,268
per mile of railway	174	57 0 0	253 0	14 0 0	.....	71 0 0	.....	.....	.....
previous 14 weeks of half-year	341,501	1,21,262 0 0	5,36,342 0	28,186 0 0	363 0 0	1,49,811 0 0	45,676	26,167	71,843
Total for 15 weeks	363,467	1,28,460 0 0	5,68,198 0	29,992 0 0	378 0 0	1,58,830 0 0	48,995	28,116	77,111
COMPARISON.									
for corresponding week of previous year (audited)	18,927	6,081 0 0	26,763 0	1,548 0 0	28 0 0	7,657 0 0	4,342	1,390	5,642
per mile of railway corresponding period of previous year	150	49 0 0	212 0	12 0 0	.....	61 0 0	.....	.....	.....
total to corresponding date of previous year	361,060	1,41,259 0 0	4,08,070 0	26,850 0 0	509 0 0	1,68,618 0 0	63,710	16,145	79,855

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 15TH APRIL 1885.			RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 15TH APRIL 1885.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			Total increase in 1886-87.	Total decrease in 1886-87.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
7,657	61	126	9,019	72	126	31,303	248	126	24,352	193	.....	.....	6,851

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 17th April 1886	Rs. A. P.
Corresponding week last year	11,270 0 0
Increase	9,001 0 0
Receipts from 1st January to 17th April 1886	2,269 0 0
from 1st January to 18th April 1885	1,14,214 0 0
Increase	1,06,242 0 0
	7,972 0 0
Miles.	
Miles open week ending 17th April 1886	50½
Corresponding week last year	50½
Rs. A. P.	
Receipts per mile open week ending 17th April 1886	222 1 1
Corresponding week last year	177 6 0
Increase	44 11 1

SECRETARY'S OFFICE, Darjeeling, the 26th April 1886.

W. STEVENSON, Secretary.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MAY 12, 1886.

OFFICIAL PAPERS.

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MUNICIPAL DEPARTMENT—MUNICIPAL.

Darjeeling, the 6th May 1886.

RESOLUTION.

SECTION 82 of the Bengal Municipal Act III (B.C.) of 1884 empowers the Lieutenant-Governor to make rules for the purpose of regulating the system of keeping municipal accounts. In accordance with the provisions of this section, a set of rules and forms were prepared and forwarded to Commissioners of Divisions for opinion. These opinions were received and forwarded to the Accountant-General for any remarks he might have to offer. The Accountant-General has now submitted a revised set of rules and forms prepared, as far as possible, in accordance with the opinions of the local officers and Municipal Commissioners. The Lieutenant-Governor approves the revised rules and forms, and directs that they shall come into force in all municipalities from the 1st July next. If in the meantime the Commissioners of any Municipality wish to have any minor modifications made in these rules and forms to meet any special circumstances, they should represent the matter through the local officers for the orders of Government.

ORDER.—Ordered that the above Resolution, together with the rules and forms, be published in the *Calcutta Gazette* and circulated to Commissioners of Divisions for information and communication to District and Sub-Divisional Officers and Municipal Commissioners. A copy should also be sent to the Accountant-General for information and communication to the Examiner of Local Accounts.

By order of the Lieutenant-Governor of Bengal,

R. H. WILSON,

Offg. Secretary to the Government of Bengal.

Account Rules for Municipalities issued under Section 82 of Act III of 1884, the Bengal Municipal Act.

GENERAL.

THE following account rules are issued under section 82 of Act III of 1884, the Bengal Municipal Act.

2. The rules are divided into two parts. Part I contains the rules and forms to be observed and adopted in every Municipality, however small. Part II contains the rules and forms to be observed and adopted wherever the circumstances of a Municipality may render them necessary, and, in addition, certain other account rules and forms which it is desirable should be adopted in the larger Municipalities, but which it is not considered advisable to prescribe authoritatively.

3. It may be found hereafter that the account rules and forms herein prescribed do not conveniently meet the special requirements of a Municipality. In this case they may be modified with the consent of the Accountant-General, Bengal.

4. The cash and account branches of each Municipal Office shall be kept distinct from each other, and under distinct officers, who, for the purposes of these rules, will be termed, respectively, Tax Darogah or Cashier, and Accountant.

In many of the smaller Municipalities the Tax Darogah and Cashier will be one and the same man. Part I of these rules has been especially framed to meet this contingency. In no case, however, shall the same person compile the Municipal accounts and superintend the collection of the rates and other Municipal income.

5. All accounts and registers shall, as far as possible, be maintained in English. All books of account and registers shall be substantially bound and paged before being brought into use, and no accounts shall be prepared on loose sheets or in loosely bound volumes.

6. The set of registers and forms prescribed or suggested in these rules provides for all classes of transactions usually occurring in Municipalities of ordinary size. In some of the larger Municipalities additional books of account may probably be found necessary. In this case the Examiner of Local Accounts in Bengal will advise the Municipality concerned as to the most suitable forms to meet the special circumstances of the Municipality.

7. As, under these rules, the Magistrate or other officer in charge of a Government Treasury, and the Vice-Chairman of a Municipality occupy the respective positions of banker and constituent, it is of the greatest importance that no person connected with a Magistrate's or Sub-Divisional Officer's establishment shall assist in any way in collecting Municipal revenue or in posting the Municipal books.

SECURITY.

8. The Secretary, Accountant, Tax Darogah, Cashier, and tax collecting sircars in the employ of a Municipality shall furnish such security as the Commissioners may think proper.

Nothing in this rule, however, shall be understood to prohibit such security as the Commissioners may think advisable being taken from any other officer or servant in the employ of a Municipality.

CORRECTIONS IN ACCOUNTS.

9. All corrections and alterations in accounts shall be neatly made in red ink, and attested by the initials of the Chairman, Vice-Chairman, or Secretary. Similarly, all alterations and corrections in a voucher shall be attested by the payee. Erasures shall on no account be permitted in registers, statements, vouchers, or accounts of any description.

PART I.

BUDGET ESTIMATE.

10. The Regulations regarding the preparation and sanction of the Budget Estimate are contained in sections 72 to 76 of the Bengal Municipal Act. The Estimate shall be prepared in English in Form No. I by the accountant of the Municipality. The receipts shall be estimated in detail, but the totals only of the estimated expenditure shall be entered in the body of the Budget Estimate against the several headings. A schedule shall be attached to the Estimate in the form annexed, setting forth the full details of the estimated expenditure for the ensuing year.

11. No change shall be made in the major and minor account headings prescribed in Form No. I without proper authority, and the same account headings shall be used in all accounts and returns prepared or issued by a Municipality. In Form No. I the major account headings are shown in *italics* and the minor account headings have numbers allotted to them. The remaining heads of account given in the form are termed "Detailed heads" and are not *prescribed*, but are merely exemplar, and may be altered or added to as the Commissioners may think desirable.

RECEIPT OF MONEY BY CASHIER OR TAX DAROGAH.

12. The Cashier or Tax Darogah shall keep a cash book in Form No. II, in which he shall enter on the Receipt side all sums received by him on account of the Municipality.

The entries shall be in full detail of names and particulars, except in regard to collections made by the sircars (*see* paragraphs 20 and 23 of Appendix A), for which a single entry exhibiting the name of the sircar and the total amount received will be sufficient. The details of the sircar's daily collections will be given in the sircar's daily collection account Form No. XLVII).

13. The Vice-Chairman or Secretary shall, at such frequent intervals as may seem desirable, examine the Cashier's or Tax Darogah's cash book, so as to satisfy himself that all money received has really been remitted to the Treasury or Bank without delay, and that the Cashier or Tax Darogah does not retain in hand sums of money in excess of the security which he may have given.

TRANSACTIONS WITH BANK OR TREASURY.

14. Unless the Local Government shall otherwise direct, all sums received on account of the Municipal Fund shall be paid into a Government Treasury or into any Bank or Branch Bank used as a Government Treasury in or near to the Municipality.

Moneys received by the Cashier or Tax Darogah on account of the Municipality shall be remitted to the Bank or Treasury as often as can be conveniently managed.

15. Whenever a remittance to the Bank or Treasury is made, the Cashier or Tax Darogah shall enter the details of the remittance on the payment side of his Cash Book (Form No. II). In the column "Details of challan" he will enter the different heads of revenue (corresponding with the heads in the Cash Abstract Register of Receipts (Form No. VII), and in the column "Amount of each head" he will enter the amounts to be credited to each of those heads.

He will then fill in Form No. III, the challan to accompany the remittance. In the foil of the form will be entered merely the name of the Municipality on account of which the money is sent, and details of the notes and coin of which the remittance is composed. On the counterfoil will be shown the details of the remittance according to the heads of account to which the amounts are to be credited, *i.e.*, a copy of the entries on the payment side of the Cashier's or Tax Darogah's Cash-Book.

It is especially to be noticed that for statistical purposes the collections for the current year on account of the rate upon the annual value of holdings, or of the tax upon occupiers of holdings, and of the water, lighting, and latrine rates, are to be shown distinctly from the collections on account of the demand for previous years.

16. With the remittances shall be sent the pass book of the Municipality. Upon receipt of the money by the Treasury both sides of the pass book shall

be written up to date by the Treasury accountant, the entry for the remittance just made shall be initialled by the Treasury officer, and the book returned at once to the Municipal office.

The pass book will be supplied gratis by the Treasury. It is not a Municipal account book, but is simply a copy of the account kept in the Treasury of the money paid in and taken out by the Municipality, and must therefore always be written up only by the Government Treasury department, by whom the original account is kept.

No entries or marks may, under any circumstances, be made in the pass book by any one connected with or working in the Municipal office. At the close of each month the balance in the pass book shall be struck, the amount written in words, and signed by the Treasury officer.

PAYMENT OF CLAIMS.

17. Claims against a Municipality shall ordinarily be discharged by cheques drawn upon the Municipal banker, that is, in the majority of cases, on the Treasury.

18. The Commissioners, however, may, if they think it desirable, authorize the advance to the Vice-Chairman, accountant, or cashier of the Municipality of a sum of money as an imprest to meet petty expenditure.

The amount of the imprest shall be fixed by the Commissioners.

The rules relating to the recoupment of the imprest, the form in which the transactions are to be recorded, and the periodical exhibition of the charges in the Cash Book of the Municipality will be found in Part II of these rules.

19. No claims shall, under any circumstances, be liquidated out of the cash realizations of the Municipality. All moneys received shall be forwarded intact to the Municipal banker, in the manner prescribed in section 15 of these rules.

VOUCHERS FOR PAYMENTS.

20. Every bill or other claim for payment shall be presented in the first instance to the accountant, who will check and examine the figures, and if they be found correct and in order, will submit the bill for orders to the Chairman or Vice-Chairman. If payment of the bill so presented is to be made, an order for payment shall be endorsed on the document, that is to say, on the bill presented by the person who prefers the claim. The order for payment shall run as follows:—"Pay (Rs.) Rs. only," the amount being written in words as well as in figures, and the order shall be signed by the Vice-Chairman or Chairman, if the amount to be paid do not exceed Rs. 500. An order for the payment of a sum of money in excess of Rs. 500 shall be signed both by the Chairman and Vice-Chairman, or by the Chairman and another Commissioner. No officer of Government or Municipal Commissioner shall sign a payment order for and on behalf of the Chairman or Vice-Chairman. If the Chairman be absent, or from any cause be unable to sign, the Vice-Chairman shall sign; and if the Vice-Chairman be absent, or be unable to sign, the Chairman shall sign. If both Chairman and Vice-Chairman be absent, or be unable to sign, no order for payment shall be made on the bill.

21. If the bill is to be liquidated out of the imprest, the Vice-Chairman shall, before signing the payment order, see the bill stamped with the orders "Paid in cash" in conspicuous type, and shall then make it over to the accountant or cashier for payment. If the bill is to be liquidated by issue of a cheque, it shall be made over to the accountant or cashier and shall be stamped "Paid by cheque No. " in conspicuous type. In the latter case the amount shall be entered, as soon as the cheque is signed, in the appropriate column of the cash book of the municipality (Form No. VI).

22. Every payment made, either in cash or by cheque, shall be covered by a receipt, stamped if necessary, signed by the person to whom the money is due, and to whom it has actually been paid. A receipt signed by another person or by a Municipal employé is invalid.

23. The pay of the Municipal establishment shall be drawn in Bill Form No. IV, and every Municipal employé shall give a receipt in the appropriate column of the form for the sum paid to him. Each Municipal employé who receives a sum exceeding Rs. 20 shall affix a receipt stamp before signing. The cost of such receipt stamp must, of course, be borne by the person who receives the money, and not by the Municipality.

24. One bill, whether for establishment or other charges, shall ordinarily only contain details of charges to be taken against one of the budget heads in the Cash Abstract Register of Expenditure (Form No. VIII). If, however, it be convenient that a bill be presented which contains charges against more than one such head, the accountant shall enface in red ink on the bill itself, above the payment order, the details of the apportionment of the charges. These details shall be also shown in the "Head in cash abstract" column of the Cash Book (Form No. VI).

25. All bills and vouchers that have been paid shall be numbered consecutively for the year in order of payment, and shall be pasted in a guard book.

Sub-vouchers for payments made out of the imprest, however, shall be filed separately, and shall be attached to the periodical account submitted when the imprest is recouped *see* rule 71).

CHEQUES.

26. Cheques drawn on a Government Treasury or Sub-treasury shall be in Form No. V. Cheque books will be supplied to the Chairmen of Municipalities by the officers in charge of Government Treasuries and Sub-treasuries.

27. On receipt of a cheque book from the Treasury or Bank, the officer whose duty it is to sign cheques shall count the cheques, and the cheque books shall remain in his custody.

28. The cheque book in use may be made over to the accountant or cashier whenever required to fill in the amounts passed and shall be returned for signature along with the orders themselves to the officer whose duty it is to sign the cheques. The latter should then satisfy himself that all unused cheques are in the book, and that none have been surreptitiously extracted.

29. No cheque shall ordinarily be signed unless required for immediate delivery to the person to whom the money is to be paid. The practice of retaining signed cheques in the office should not be permitted, except under very exceptional circumstances.

30. Every cheque shall be drawn in English in favour of the person to whom the money is actually due. Payment shall not be made to any other person except on production of a written authority from the creditor to receive it on his behalf. This rule does not apply in the case of a cheque issued for a sum of money distributable as pay or wages among a number of municipal employés, or in recoupment of the imprest.

31. The amount of every cheque drawn shall be written in words as well as in figures, both on the cheque itself and on the counterfoil, and the counterfoil shall be initialled by the person who signs the cheque.

32. Every cheque drawn for a sum in excess of Rs. 20 shall bear a receipt stamp of the value of one anna, and this receipt stamp shall be affixed before the cheque is signed. The cost of the stamp is payable by the Municipality which issues the cheque, and not by the person in whose favour the cheque is drawn.

CANCELLATION OF CHEQUES.

33. When a signed cheque is cancelled it shall be stamped "Cancelled" and initialled by the Chairman, Vice-Chairman, or Secretary. The cancelled cheque shall be destroyed by the Government auditor as soon as the accounts for the month in which the cheque was drawn have been audited. The amount of the cancelled cheque shall be entered as a receipt on the debtor

side of the Cash Book (Form No. VI) and shall be treated as a refund (*see* rule 46).

CASH BOOK.

34. The Cash Book of the Municipality shall be kept in English in Form No. VI by the Municipal accountant. It shall be a substantially bound volume containing a sufficient number of pages to contain at least one year's transactions. It shall be carefully paged before being brought into use.

35. The receipt or debtor side of the Cash Book shall be posted from the counterfoil of the challan (Form No. III) of moneys paid into the Treasury or Bank by the cashier or tax darogah.

36. It may sometimes happen that a sum of money will be found credited in the Municipal pass book which has not been paid in through the cashier or tax darogah of the Municipality. In this case the Vice-Chairman or Secretary shall ascertain the details of the credit, and the same shall be posted into the Cash Book of the Municipality.

In some cases also moneys may be paid direct into the Treasury, for credit to the Municipality, by Court Sub-inspectors or other officers on account of Municipal fines and Pound revenue. In these cases the Cash Book shall be posted from the copy of the challan with which the money has been remitted to the Treasury or Bank. This copy will be furnished to the Municipality by the officer by whom the money was paid in.

37. The payment side of the Cash Book shall be posted from the details of the vouchers and of the cheques drawn. The amount of each cheque shall be entered as soon as the cheque is signed (*see* rules 29 and 33).

38. The Cash Book shall be balanced at the close of every month, and signed by the Chairman, Vice-Chairman, or Secretary in token of the correctness of every entry made therein. The balance brought out shall be agreed with the balance shown in the pass book of the Municipality, thus:—

	Rs.	A.	P.
Balance as per Cash Book ...			
Add cheques drawn, but not yet cashed—			
	Rs.	A.	P.
No. ...			
No. ...			
Total as per pass book ...			

CASH ABSTRACT REGISTERS OF RECEIPTS AND EXPENDITURE.

39. All the entries on the receipt side of the Cash Book (Form No. VI) shall be posted by the accountant, one by one, direct from the Cash Book into the Cash Abstract Register of Receipts (Form No. VII), and all the entries on the payment side of the Cash Book shall be posted, one by one, into the Cash Abstract Register of Expenditure (Form No. VIII).

The Cash Abstract Registers shall be kept in English, and shall be posted as often as may be convenient, but in no case later than ten days after the close of the month to which the account relates.

40. Each item of receipt or payment appearing in the Cash Book shall be posted separately into the Cash Abstract Registers. Thus if there be two or three payments in one day on account of the same head of expenditure, there will similarly be two or three entries under the same head in the Cash Abstract Register, *i.e.*, the separate items appearing in the Cash Book (Form No. VI) and

not the totals of the daily receipts or expenditure for each head, shall be posted into the Cash Abstract Registers.

41. The columns of the Cash Abstract Registers shall be totalled every month, and the totals of the different heads of receipts and expenditure must necessarily be equal to, and shall be compared by the Vice-Chairman or Secretary with, the totals of receipts and payments in the Cash Book (Form No. VI).

42. The numerous detailed heads given in the Cash Abstract Registers (Forms Nos. VII and VIII) are not *prescribed* heads, but may be abridged or added to as the Commissioners may think desirable. The detailed heads must of course always correspond with the detailed heads shown in the Budget Estimate (Form No. I) (*see* rule 11).

ADJUSTMENTS.

43. At the foot of each month's account in the Cash Abstract Registers of Receipts and Expenditure (Forms Nos. VII and VIII) two lines are left blank for the purpose of entering therein and bringing upon the books of the Municipality the adjustments made during the month.

44. Adjustments are transactions which have to be recorded in the Monthly and Annual accounts of the Municipality, but which are not actual cash transactions, and which therefore do not in all cases appear in the Municipal Cash Book.

45. Adjustments are of four kinds:—

- (1)—The transfer from one head to another of items of receipt or expenditure wrongly classified in the first instance in the Cash Abstract Registers.
- (2)—The transfer of a sum of money from the head "Advances" to a head of expenditure for work done by a contractor or other person, the said contractor having originally been granted an advance to enable him to carry out the work.
- (3)—Refunds of revenue received or of expenditure incurred during the current year of account.
- (4)—The debit to a head of expenditure by credit to "Deposits received" of a sum of money due on a contractor's bill, but not paid, being retained as a security deposit for the due execution of future works.

46. In case (1) the adjustment shall be made by entering the amount in the line for "Adjustments by addition" in the column for the head to which the amount is to be added, and again in red ink in the line for "Adjustments by deduction" in the column for the head from which the amount is to be deducted. Both entries will be made on the Cash Abstract Register of Receipts if the amount is to be transferred from one head of revenue to another, and both will be made in the Cash Abstract Register of Expenditure if the amount is to be transferred from one head of expenditure to another.

In case (2) the adjustment shall be made by entering the amount in the line for "Adjustments by addition" in the column of the Cash Abstract Register of Expenditure for the head to which charges on account of the particular work executed are to be taken, and in the Cash Abstract Register of Receipts in the line for "Adjustments by addition" under the head "Advances recovered." A corresponding entry must of course be made on the receipt or credit side of the Advance Ledger (Form No. XVII—*see* rule 63) of the person by whom the work was executed and to whom the amount adjusted was originally advanced.

In case (3) the adjustment shall be made by entering the amount in the line "Adjustments by deduction" in the column of the Cash Abstract Register of Receipts or Expenditure for the head to which the amount refunded was originally credited or debited and in the Cash Abstract Register of Expenditure or Receipts in the line for "Adjustments by deduction" in the column for Refunds.

This procedure, however, shall not be followed when the refund made during the month is on account of revenue received during a previous year of account. In this case the amount refunded will remain at the debit of the head "Refunds," and no adjustment shall be made.

In case (4) the adjustment shall be made by entering the amount in the Cash Abstract Register of Expenditure in the line for "Adjustments by addition" in the column for the head to which the balance of the charges of the bill from which the deduction has been made has been taken, and in the Cash Abstract Register of Receipts in the line for "Adjustments by addition" under "Deposits received."

In every case of refund of revenue a note of the refund shall be made against the original entry of receipt in the Cash Book or other register, so as to guard against a second refund of the same amount being accidentally made.

47. Adjustments made by deduction in the Cash Abstract Registers shall always be exhibited in red ink.

QUARTERLY AND ANNUAL ACCOUNT.

48. At the close of every month the grand totals under the various heads of account recorded in the Cash Abstract Registers (Forms Nos. VII and VIII) shall be entered in English by the accountant in the separate registers (Forms Nos. IX and X) against the corresponding heads under the appropriate month.

49. These two registers form the Quarterly Statement required under section 71 of the Act to be prepared immediately after the close of each quarter. Columns are provided to show the progressive totals for the half-year, the three quarters, and for the whole year, and, in addition, the figures of the sanctioned budget estimate under each head.

50. As soon as possible after the close of the year, and not later than the 15th April following, the totals of the receipts and expenditure of the year as worked out in the last columns of the registers (Forms Nos. IX and X) shall be posted in English by the accountant into the Annual Account (Form No. XI). The details of the expenditure shall be given in a separate schedule, similar in form to that attached to the Budget Estimate (Form No. I), exhibiting the actual and estimated figures in parallel columns. This statement (Form No. XI) will form the Annual Account required to be prepared by the last paragraph of section 71 of Act III (B.C.) of 1884, and by the Government of India in Financial Resolution No. 283, dated 31st August 1883. A copy of this Account shall be sent not later than the 30th April following to the Magistrate of the District in which the Municipality is situated.

51. To enable the Magistrate and the Commissioner of the Division to make the prescribed comparison between the estimates and the actual receipts and expenditure of the Municipality, the amounts by which the actual figures fall short of or exceed the estimated figures shall be shown in two separate columns provided for the purpose within the body of Form No. XI, and also in the schedule of expenditure to be annexed to the statement.

TAX UPON OCCUPIERS OF HOLDINGS OR RATE UPON THE ANNUAL VALUE OF HOLDINGS, LATRINES RATE, LIGHTING RATE, AND WATER RATE.

52. It is not desirable to prescribe hard-and-fast rules as to the procedure to be adopted in the levy of the above rates, as the circumstances of the Municipalities to which these rules will apply vary so greatly. At the same time, it is necessary to record a general system which shall be more or less applicable to all Municipalities. Appendix A of these rules contains the details of two systems of procedure, both of which are already being successfully worked in Bengal. One or other of these systems should be adopted in every Municipality, with such modifications as may be found locally necessary.

53. The forms attached to the Appendix are *prescribed* forms, *i.e.*, they may not be modified, except with the approval previously obtained of the Accountant-General, Bengal. All the forms, however, need not be adopted. It is expressly stated in Appendix A which of the forms shall be adopted in every Municipality and which are optional.

TAX ON CARRIAGES, HORSES AND OTHER ANIMALS.

54. The register prescribed in section 139 of the Act for the exhibition of the amount of taxes realized on account of carriages, horses, and other animals shall be maintained in Form No. XII.

55. *As soon as a license fee or tax has been paid, and not before,* the license shall be prepared in Form No. XIII and when the necessary particulars have been posted in the register (Form No. XII), both register and license shall be placed before the duly authorised Licensing Officer. The Licensing Officer shall sign the license and initial the register in the proper column.

LICENSES.

56. License forms shall be bound in counterfoil books. No new book shall be brought into use until *all* the license forms and counterfoils have been consecutively numbered. The numbers shall, if possible, be printed.

57. Only one book shall be given out at a time, and until the book thus issued has been used up no new book shall be given out.

On no account shall loose unnumbered licenses be kept in the office.

FEES ON THE REGISTRATION OF CARTS.

58. In lieu of licenses, tin tickets may be issued to owners of carts which have been registered. These tin tickets may be of a different colour for each period of issue. They shall be of a size sufficiently large to be easily distinguishable, and they shall bear consecutive numbers.

59. As soon as the registration fee has been paid by the owner of the cart, the necessary particulars shall be entered in a register in Form No. XIV.

60. A stock book of the tin tickets received from the makers shall be kept in Form No. XV. The Vice-Chairman or Secretary shall, at such intervals as shall seem advisable, compare the balance of the tin tickets as brought out in the stock book with the unissued tickets actually in stock.

MISCELLANEOUS RECEIPTS.

61. For money received by a Municipality on account of the tax upon Occupiers of Holdings, or Rate upon the Annual value of Holdings, Latrines Rate, Lighting Rate, and Water Rate a form of receipt has been prescribed in Appendix A (Form No. XLV). For money received on account of tax on carriages, horses, and other animals, the license issued will be a sufficient receipt.

For all other money received by the municipality under the rules in this part, a receipt shall be granted in Form No. XVI. The total amount received shall be written in words, both on the receipt itself and on the counterfoil: the latter need only be initialled by the officer who signs the receipt.

The forms shall be bound in books, and they shall be numbered before the book is brought into use.

62. For money received on account of fees for the Registration of Carts, a separate receipt book in the same form shall be used, and so also separate books shall be used for any other head of revenue, the receipts on account of which are numerous.

ADVANCES.

63. All moneys advanced to contractors or to the Chairman, Vice-Chairman, Municipal Commissioners, or other individuals under whose personal superintendence a work is being executed, all sums paid without proper vouchers, the amount of the imprest, and any other advance that may be made shall, in the first instance, be charged to the head "Advances" and entered in the Advance Ledger (Form No. XVII). A separate account shall be

opened in this Ledger for each person to whom an advance has been given, and this account shall be credited with the amount of any repayments that may be made.

64. In the case of advances made to contractors or others for the execution of works, the account shall be credited with the actual value of the work done upon receipt of audited detailed bills and proper vouchers for the expenditure incurred out of the advance. These adjustments shall be carried through the Cash Abstract Registers (*see* rule 45). Before the order for adjustment is made, the bills and vouchers put forward in support of the expenditure shall be passed in the same manner as other bills are passed. The passing order shall run thus:—"Passed for rupees . . . Adjust by credit to Advance account of . . . and debit to . . ."

65. The different accounts in the Advance Ledger shall be balanced quarterly and signed by the officer responsible. The officer who signs the accounts shall at the same time satisfy himself that steps are being taken to recover or adjust advances which have been outstanding for more than three months.

DEPOSITS.

66. All sums of money received by way of security deposit from contractors or others, and all sums received which are not the property of the Municipality, and have been placed with the Municipal authorities for a temporary purpose only shall be credited to the head "Deposits received" in the Cash Abstract Register of Receipts (Form No. VII), and shall be entered on the credit or receipt side of the Deposit Ledger (Form No. XVIII). As in the Advance Ledger, a separate account shall be opened for each depositor, and the accounts shall be balanced quarterly and signed by the proper officer.

67. It sometimes happens that deductions (usually ten per cent. of the total amount of the bills) are made from the bills of contractors as security for the due performance of work in the future.

In such cases the bills shall be passed for the full amount due on the bill, but only the net amount paid shall be entered in the Cash Book (Form No. VI). The amount deducted as security shall be brought upon the Municipal accounts and into the Ledger of Deposits (Form No. XVIII) through the medium of the Cash Abstract Register in the manner described in rule 46. The payment order shall run thus:—

Passed for rupees	Pay rupees	by cheque
and adjust rupees	by debit to	and credit to Deposits
account of		

EMBEZZLEMENTS.

68. Every embezzlement or misappropriation of Municipal moneys shall be reported at once by the Chairman of the Municipality concerned to the Accountant-General, Bengal.

The report shall contain full details as to the total sum of money misappropriated, the method in which the embezzlement was effected, the absence of any rules by which the fraud was facilitated, and the steps taken to punish the offender.

PART II.

GENERAL.

69. The rules and forms in this part are of two classes, *viz.* those that are *prescribed* and those that are merely *suggested*. The former shall be adopted wherever the circumstances of a Municipality render them necessary, *e.g.*, the form for the exhibition of the fees for Hackney Carriage Licenses shall be adopted wherever the provisions of Act V of 1866 (Hackney Carriage Act) are in force, and the form of Imprest Account shall be adopted wherever the Vice-Chairman or other Municipal officer has been granted an imprest for the liquidation of petty expenses.

The *suggested* forms are those which it is recommended shall be adopted wherever the circumstances of a Municipality permit. Many of the forms are already in use in various Municipalities in Bengal, and have been found to work well.

70. The following is a list of the forms prescribed and suggested under these rules.

No. of Form.	DESCRIPTION OF FORM.	No. of Rule.	Whether prescribed or suggested.
I	Budget Estimate ...	10	} Prescribed in Part I.
II	Tax Darogah's Cash Book ...	12	
III	Challan for remittances to Bank or Treasury.	15	
IV	Establishment Bill Form ...	23	
V	Cheque Form ...	26	
VI	Municipal Cash Book ...	34	
VII	Cash Abstract Register of Receipts ...	39	
VIII	Ditto ditto of Expenditure ...	"	
IX	Quarterly Account of Receipts ...	48	
X	Ditto of Expenditure ...	"	
XI	Annual Account ...	50	
XII	Carriage and Animal Tax Register ...	54	
XIII	License for Carriages and Animals ...	55	
XIV	Cart Registration Register ...	58	
XV	Stock Book of Cart Registration Tickets ...	60	
XVI	Miscellaneous Receipt Form ...	61	
XVII	Advance Ledger ...	63	
XVIII	Deposit Ledger ...	66	
XIX	Imprest Account ...	71	
XX	Hackney Carriage License Register ...	73	} Prescribed in Part II.
XXI	Ditto Drivers do. ...	"	
XXII	Palanquin License Register ...	"	
XXIII	Ditto Bearers License Register ...	"	
XXIV	Hackney Carriage License ...	74	
XXV	Ditto Drivers License ...	"	
XXVI	Palanquin License ...	"	
XXVII	Ditto Bearers License ...	"	
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IMPREST ACCOUNT—(*Prescribed*).

71. Whenever the Municipal Commissioners shall decide that an imprest is to be granted to the Vice-Chairman, Secretary, or other officer for the payment of petty charges, the account of the expenditure incurred out of the imprest shall be kept in Form No. XIX. Whenever it becomes necessary to recoup the imprest, the accountant shall copy out the detail of the charges on the counterfoil of the form, make an abstract in red ink of the different heads of account to which the charges are to be taken, and submit the account itself, supported by the sub-vouchers, for the signature of the Vice-Chairman or Secretary.

The sub-vouchers shall in all cases be passed by the Vice-Chairman, previous to payment, in the same manner as are other vouchers (*see* rule 20).

72. The cheque in recoupment of the imprest shall be drawn in favour of the Vice-Chairman or Secretary, and the abstract of the charges alluded to above shall be copied into the "Head in cash abstract" column of the cash book (Form No. VI).

HACKNEY CARRIAGE LICENSE REGISTER—(*Prescribed*).

HACKNEY CARRIAGE DRIVERS' REGISTER—(*Ditto*).

PALANQUIN LICENSE REGISTER—(*Ditto*).

PALANQUIN BEARERS' LICENSE REGISTER—(*Ditto*).

73. Fees on account of the above shall be recorded in Registers Nos. XX, XXI, XXII and XXIII respectively. The rules regarding the custody, issue, and record of cart registration tickets shall apply *mutatis mutandis* to the plates issued under the Acts to owners of hackney carriages, to drivers, and to palanquin bearers.

74. The licenses granted to owners of hackney carriages, to hackney carriage drivers, to owners of palanquins, and to palanquin bearers shall be in Forms Nos. XXIV, XXV, XXVI, and XXVII respectively.

GOVERNMENT SECURITY REGISTER—(*Prescribed*).

75. All Government securities which shall become by purchase or otherwise, the sole property of a Municipality shall be accounted for in Form No. XXVIII. They shall not be written off this form unless disposed of absolutely by sale or otherwise, *e.g.*, Government Securities merely made over to the Accountant-General for safe custody under the rules contained in Chapter II of the Civil Account Code shall not be written off this account.

LOAN REGISTER—(*Prescribed*).

76. The transactions in regard to any Loan contracted by a Municipality shall be recorded in Form No. XXIX.

DISPENSARY SUBSCRIPTION REGISTER—(*Prescribed*).

77. The register for the record of donations and subscriptions for a Charitable Dispensary shall be kept in Form No. XXX. The column "Date of remittance to Municipal office" shall be filled in by the officer who makes the remittance.

MISCELLANEOUS SUBSCRIPTION REGISTER—(*Prescribed*).

78. It sometimes happens that a Municipality undertakes the collection of voluntary subscriptions to be devoted to a specific purpose, such as the erection of a Town Hall or Market. Subscriptions are frequently promised but are not paid up at once, and unless a systematic plan exists for the record and collection of promised subscriptions the Municipality is likely to incur serious loss.

The following system is therefore prescribed. The Subscription Book or books to be sent round with the appeal for subscriptions shall be in Form No. XXXI. If receipts are given to subscribers for their contributions, the Form No. XVI prescribed in these rules for the grant of miscellaneous receipts shall be brought into use. The contributions shall be credited to a distinct head in the Cash Abstract Register of Receipts.

At the end of each month or quarter the amounts (whether paid up or not) shown in the Subscription Books (Form No. XXXI) shall be totalled, and the total posted into an abstract in Form No. XXXII. The abstract shall be checked and signed by the Vice-Chairman or Secretary. The officer who signs the abstract shall at the same time satisfy himself that steps are being taken to realize the promised subscriptions.

RECEIPTS ON ACCOUNT OF MUNICIPAL POUNDS.
RENT OF MUNICIPAL BUILDINGS, LANDS, &c.

Separate registers shall be opened to show the details of each source from which periodical Municipal revenue is derived, for which there is a fixed monthly, quarterly, half-yearly, or annual demand.

The registers shall have columns to show—(1) serial number; (2) name or number of pound, building, plot of land, &c.; (3) term of lease; (4) name of lessee; (5) amount of monthly, quarterly, half-yearly, or annual rent; (6) number of bill; (7) initials of Vice-Chairman; (8) date of payment; (9) remarks, together with columns for any other particulars, which the special circumstances of the case may render necessary.

80. Whenever the number of buildings, land, &c., is large, it will be necessary to prepare a periodical abstract similar in form to Form No. XLIX (Progress Statement of Demands, Collection, &c., on account of the Tax upon the Occupiers of Holdings), so that the Vice-Chairman or Secretary may be enabled to exercise an efficient check over the outstanding dues.

REGISTER OF SECURITY DEPOSITS OTHER THAN CASH.—(*Prescribed*).

81. Security deposited in *cash* shall be credited at once in the Cash Book of the Municipality to the head "Deposits received," and paid into the Bank or Treasury like revenue. All other forms of security, such as Government paper, Savings Bank balances deposited under the rules in paragraph 17 of Chapter 19 of the Civil Account Code, bonds for landed property, and the like, shall be recorded in a Register in Form No. XXXIII. When the security is surrendered the depositor shall give a receipt in the column provided for the purpose.

BILL FORM.—(*Suggested*).

82. It is suggested that miscellaneous bills for work done for, and for supplies made to, Municipalities should, as far as possible, be of a uniform pattern. Form No. XXXIV is suggested for this purpose. The bill may, of course, be prepared either in English or in the vernacular, and creditors of a Municipality might be invited to make out their bills in these forms, which would of course be supplied by the Municipality free of charge.

SANCTION REGISTER.—(*Suggested*).

83. Under section 78 of Act III of 1884, the Municipal Act, the Commissioners are required to sanction at a meeting, by a general or special resolution, the expenditure of any or every sum provided in the Estimate for the year.

84. In most Municipalities it is the practice to sanction in one resolution the expenditure of the whole of the sum provided in the Estimate. In this case no separate Sanction Register will be necessary, but in Municipalities where portions of the expenditure provided in the Estimate are sanctioned from time to time it will be advisable to open a register to record these sanctions. Form No. XXXVI is recommended as suitable for the purpose.

ADJUSTMENT REGISTERS—(*Suggested*).

85. When the adjustments of Advances by bills for work executed (*see* rule 64) and the credit to Deposits by deduction from the total amounts of bills presented by contractors (*see* rule 67) are numerous, it will be advisable to open two Adjustment Registers for the daily record of these transactions as they occur, so that none may be omitted when the Cash Abstract Registers are posted at the end of the month.

86. It is suggested that the register to show adjustments of advances by bills for work done should be in Form No. XXXVI, and that the register to show the credits to deposits by debit to the different heads of expenditure should be in Form No. XXXVII.

Both registers should of course be totalled monthly.

NOTICE TO OWNERS OF CARRIAGES, HORSES, AND OTHER ANIMALS.—(*Suggested*).

87. Under section 133 of Act III of 1884, the Bengal Municipal Act, owners of carriages, horses, and other animals liable to the tax are required to forward to the Commissioners statements in writing containing descriptions of the carriages, horses, and other animals for which they are bound to take out licenses. To facilitate this procedure it is recommended that a supply of printed statements in Form No. XXXVIII should be obtained and distributed to the owners of vehicles which are taxable. These forms might with advantage be circulated by post to the owners of the different carriages, horses, &c., for which taxes were paid during the preceding half-year.

MISCELLANEOUS BILL REGISTER—(*Suggested*).

88. When the number of Miscellaneous Bills, for the record of which forms have not been prescribed or suggested in these rules, is large, it is recommended that Form No. XXXIX should be utilized. The Vice-Chairman or Secretary should initial the Register when he signs the bills, previous to their being issued, and again when the amounts are realized.

SERVICE BOOKS—(*Suggested*).

89. As, under section 47 of Act III of 1884, the Bengal Municipal Act, it is within the competence of the Commissioners, subject to the approval of Government, to make rules regulating the grant of pensions and gratuities out of the Municipal Fund, it is advisable, whenever such rules shall have been made and approved, that Municipal employes be required to keep up Service Books.

90. The opening page of the Service Book should be divided for entries in the following form:—

- (1) Name.
- (2) Race.
- (3) Residence.
- (4) Father's name and residence.
- (5) Date of birth by Christian era, as nearly as can be ascertained.
- (6) Exact height by measurement.
- (7) Personal marks of identification.
- (8) Signature of officer.
- (9) Signature of Vice-Chairman.

The entries in this page should be renewed or re-attested at least every five years.

The remaining pages should be divided for entries in the following form:—

- (1) Name of appointment.
- (2) Whether substantive or acting.
- (3) If acting, state the substantive appointment.
- (4) Pay.
- (5) Acting allowance.
- (6) Date of appointment.
- (7) Signature of officer.
- (8) Reference to any recorded punishment or censure or reward or praise of the officer.

- (9) Signature of Vice-Chairman.
- (10) Date of termination of appointment.
- (11) Reason of termination (such as promotion, dismissal, &c.)
- (12) Signature of Vice-Chairman.

All the headings in the Service Book should be printed both in English and in the vernacular.

91. Service books should be maintained by every Municipal officer or servant in permanent employ. Every appointment, leave of every description (except casual), every period of suspension from employment, and every other breach of service should be noted in them, the date of the beginning and end of every employment or absence being certified at the time by the signature of the Vice-Chairman or Secretary. The Service Book should be a contemporary record in minute detail of a person's official career.

The Service Books should be kept in the custody of the Vice-Chairman or Secretary.

APPENDIX A.

Procedure to be adopted by Municipalities in Bengal for the collection of taxes upon occupiers of holdings, rates upon the annual value of holdings, latrine-rates, lighting-rates, and water-rates.

GENERAL.

1. The object of the rules detailed in this Appendix is to ensure the punctual and systematic delivery and service of all bills *once* in the course of the first month of the quarter for which the bills are due, and the collection and adjustment of the whole demand within the quarter for which the bills are issued.

2. Laxity in the supervision of the collections of the above rates, and the consequent accumulation of a heavy sum total of arrears, are the causes of nine-tenths of the embezzlements of Municipal funds, which are brought to light. If the collection of the rates is once allowed to fall into arrears, it becomes almost impossible even for the official auditors appointed by Government to detect misappropriations by the tax-collecting staff.

It is imperatively necessary, therefore, that Municipal Commissioners should enquire promptly into applications for revision or exemption from assessment under section 113, into the lists of irrecoverable taxes prepared from time to time by the tax darogah under section 130, and further that they should avail themselves, to the fullest extent, of the machinery provided in sections 120 to 129 of the Act for the realization of taxes from defaulters.

3. Taxes must either be collected or remitted, and if the Commissioners decide that a tax due by a defaulting owner or occupier of a holding is not to be remitted, they must take prompt steps for its immediate realization.

4. It is to be observed that applications for review of, or exemption from, assessment under section 113 can only be received, either before the expiration of one month from the date of publication of the notice required by section 112, relating to the list containing the assessment valuation or rating in respect of which the application is made, or after the expiration of fifteen days from the date of service of the first notice of demand for payment, at the rate in respect of which the application is made, whichever period shall last expire.

It follows, therefore, that the only time at which applications for revision of, or exemption from, assessment are likely to be numerous is within a month or six weeks of the publication of the list containing the assessments.

It is, therefore, recommended that, whenever a new assessment is made in a Municipality, a Commission, of not less than three Commissioners, be appointed under section 114 to enquire promptly into and decide applications.

DIVISION OF MUNICIPAL AREA INTO CIRCLES.

5. Each Municipality shall be divided into collecting circles by a calculation based on the area of ground to be traversed and the number of bills to be delivered, and to each circle shall be appointed a sircar. Endeavours should be made to render the collecting circles as compact as possible, and, as a rule, no collecting circle shall contain more houses than can be visited by one sircar during the working days of a month.

6. Under the general control of the tax darogah, each sircar shall have entire charge of, and be responsible for, the collection and disposal of the amounts of bills connected with the particular collecting circle assigned to him.

ASSESSMENT.

7. Assessments of the rate upon the annual value of holdings, or of the tax upon occupiers of holdings, are customarily framed for a period of three years, and, as it is unnecessary labour to copy year after year so bulky a volume, it will be more convenient if a permanent Assessment Register of the tax upon occupiers, or a permanent Valuation Register of the rate upon the value of holdings, be prepared for the period for which the assessment has to run.

8. Forms for these registers are prescribed (Form Nos. XL and XLI) and are attached to these rules. One or other of these registers shall be maintained in every Municipality. The registers are self-explanatory, and provide for the various stages of the procedure laid down in the Act for the preparation of the assessment. The registers shall be kept in detail of collecting circles—one volume for each collecting circle—sub-divided into roads, villages, or streets as may be found most convenient. The amount assessed for each road, village, or street shall be separately totalled, and an abstract prepared at the commencement of the volume, bringing together these separate totals into one view. As the tax upon the annual value of holdings is leviable from the owners of holdings, while the water-rates, latrines-rates and lighting-rates are leviable from the occupiers of holdings, a separate set of all the registers and forms prescribed or suggested in this appendix must be used for the record of the collection on account of the latter descriptions of tax, *i.e.*, one for owners and one for occupiers.

9. The Assessment Register shall be carefully compared by the Vice-Chairman, Secretary, or a Commissioner appointed for the purpose, with the assessment list or the valuation and rating list published under the Act, and each register shall be signed by the person by whom the comparison has been made. The original assessment list or valuation and rating list will have included the names of *all* occupiers of holdings or details of *every* holding in the Municipality, whether the occupiers or owners are required to pay the tax or not. The Assessment Registers, however, will only contain the names of those occupiers or owners of holdings who it has been decided by the Commissioners shall pay the tax.

10. The Assessment Registers are the original records of the demand of the most important of the Municipal taxes, and it is essential, therefore, that they be neatly kept, that erasures in them be absolutely prohibited, that all alterations be initialled by the Vice-Chairman or Secretary, and that the officer who signs the bills for the quarterly demand shall compare the amount of the bills with the corresponding figures in the Assessment Registers.

11. Petitions against the assessment should, if possible, be presented in forms of a uniform pattern. The use of Form No. XLII is suggested for this purpose.

12. All new assessments made after the publication of the list under section 112, and all increases to the original assessments, shall be posted in a prescribed register in Form No. XLIII under the initial of the Vice-Chairman or Secretary. The two money columns headed "Amount of former quarterly instalment" and "Amount of future quarterly instalment" in this register shall be totalled at the end of every quarter, and the details of the new and increased assessments posted into the assessment or valuation registers in the section or sections devoted to the road, street, or village where the new or improved holdings are situated.

13. It must be remembered that the new and enhanced assessments can, under section 93 of the Act, only take effect from the beginning of the quarter next following that in which such new assessments or enhancements are made.

REMISSIONS.

14. Decreases in the assessment take the form (1) either of reduction of assessment caused by the holding becoming uninhabitable; or (2) of a permanent remission in consequence of the extreme poverty of the occupier; or (3) of a temporary remission in consequence of the holding being vacant or unoccupied. In cases (1) and (2) the details of the remission granted must be posted from the Remission Register, Form No. XLIV (see next paragraph), into the Assessment or Valuation Register. In case (3) the details of the remission granted need not be posted into the Assessment or Valuation Register, the entry in the Bill Register, Form No. XLVI, being sufficient.

15. In all three cases full particulars of the remissions granted shall be entered in a register in *prescribed* Form No. XLVI, the Register of Remissions, under the initial of the Vice-Chairman or Secretary. The columns headed "Amount of original quarterly tax," "Amount remitted" and "Amount of future quarterly tax" shall be totalled at the end of every quarter, and as often as it may be found desirable to prepare the *prescribed* statement of demands, collections, remissions and outstanding balance (see Rule 23). The amount remitted for *each quarter* for each holding shall be shown in the column provided for the purpose in the Remission Register, but of course only one entry as to the amount of the future quarterly tax need be entered for each holding.

16. The only really effectual way of supervising the collection of the tax on holdings or on persons, and the latrines, lighting, and water-rates is to compare the balance of the rates shown to be outstanding according to the Municipal books with the actual aggregate of the counterfoil red receipts in the hands of the collecting agency. It is imperatively necessary, therefore, *first*, that the counterfoil bill forms (see Rule 18) be kept in a place of safety until required for use, so that none may be surreptitiously abstracted and filled in, and, *secondly*, that whenever a remission is granted, the counterfoil bill receipt upon which the remission has been made be put up with the list of remissions and stamped "*Cancelled*" in large type. It will then be impossible for the collecting agency either to prepare fraudulent receipts or to put up receipts which have really been remitted in support of the account of the outstanding balance of the demand.

BILLS FOR RATES AND METHOD OF THEIR SERVICE.

17. Bills, in cheque form, of three parts, printed either in English, or in the vernacular, or both, shall be prepared in the *prescribed* Form No. XLV. They shall be filled up from the information recorded in the Assessment Registers, and they shall bear consecutive numbers, where possible, printed. The bills shall be signed or stamped with a *fac simile* signature by the Chairman, Vice-Chairman, Secretary, or the Municipal Commissioner for the Ward in which the bills are issued, and the details shall be entered in the Bill Register (*prescribed* Form No. XLVI). If a *fac simile* stamp be used for signing bills, care must be taken that it is always kept in a place of safety.

18. The Bill Register shall be totalled every quarter under the initials, of the Vice-Chairman or Secretary.

19. The bills for each collecting circle shall be arranged in parcels, one for each sub-division as defined in Rule 8, and upon the last day of the quarter the collecting sircars shall present themselves at the Municipal office and each shall take away one or more parcels of bills for delivery. Should the tax be paid upon demand, the bill and the receipt duly receipted by the sircar shall be made over to the tax-payer, the date of payment noted by the sircar in the counterfoil of the bill, and the details for each paid bill entered in the sircar's Daily Receipt Register (*prescribed* Form No. XLVII).

20. If the tax be not paid upon demand, the sircar shall separate the bill from the receipt, which is printed in red ink for the purpose of reducing the chance of a mistake to a minimum, and serve the bill upon the assessee in

the manner prescribed in section 356 of the Act. At the same time he shall, whenever possible, mention the date on which he will call again for the amount (*see* Rule 25).

21. When the sircar shall have served all the bills which formed the parcel or parcels received by him, he shall return to the office and deliver to the tax darogah all the money collected, together with the counterfoil bill book, and the receipts of the bills in his parcel which have not been paid, and also his account in Form No. XLVII duly totalled, and provided with an abstract at foot of the account, showing how much has been collected on account of the demand for each quarter separately. The total of his account should of course agree with the amount of money paid in and with the aggregate of the counterfoils of the bills which are missing from the bill cheque book. The tax darogah shall at once test the account by these counterfoils, also by counting the money paid in, and by checking the totals. If all is in order, he shall initial the account in token of having received the money. The parcel of bills appertaining to the next sub-division shall then be made over to the sircar for collection.

22. Each sircar shall be provided with two Daily Receipt Registers (Form No. XLVII), in which to exhibit his receipts; he shall take one book with him on his collecting rounds and leave the other in the office to enable the tax darogah to post up the necessary entries as to the date of payment of bills, &c., in the Bill Register (Form No. XLVI), and to prepare his Register of Collections and Remissions on account of the demand for each quarter (*prescribed* Form No. XLVIII) *see* next Rule.

TAX DAROGAH'S REGISTER OF COLLECTIONS AND REMISSIONS ON ACCOUNT OF THE DEMAND FOR EACH QUARTER.

23. A separate register, in prescribed Form No. XLVIII, shall be maintained by the tax darogah for the demand for each quarter. From this register the tax darogah shall prepare and lay before the Vice-Chairman, at not less intervals than once a month, the statement (*prescribed* Form XLIX), showing the progress made in the collections of the rate for each quarter. These statements shall be verified by the Vice-Chairman or Secretary, and Accountant, and shall be laid before the Commissioners each month at their ordinary monthly meeting held under section 38 of the Act.

SERVICE OF DUPLICATE BILLS AND NOTICES OF DEMAND AND THE ISSUE OF DISTRESS WARRANTS.

24. On the first day of the second month of the quarter, the sircar shall again serve, in the manner before described, the unpaid receipts together with notices of demand, which will, in the interval, have been attached to the receipts by the tax darogah in the office. If the demand still remains unpaid, the notices of demand shall be left with the assessees, and the unpaid receipts shall be returned to the tax darogah for the preparation of distress warrants, with a note of the date on which the notices of demand were served. When fifteen days shall have elapsed after the delivery of a notice of demand, the sircar shall proceed with the warrant of distress, and if the demand as well as the fee prescribed by law for the warrant expenses, be not then satisfied, he shall make an attachment of the defaulter's property, preparing an inventory of all goods and chattels so attached, and proclaiming a notice of sale by beat of drum.

BILLS PAID AT OFFICE.

25. In the event of any unpaid bill being brought to the Municipal office, and there satisfied, the tax darogah shall take the receipt out of the counterfoil bill-book, and hand it over to the payee, noting the payment on the counterfoil, and entering the amount in a daily account (Form No. XLVII), similar to that used by the sircars. The position of a tax darogah in regard to any collections realized at the office will be precisely that of a sircar in his collecting circle, and he will dispose of the account which he prepares in Form No. XLVII precisely as he does of those submitted to him by the sircars for their out-door collections.

COLLECTION OF TAXES AT THE MUNICIPAL OFFICE.

26. An alternative procedure is also suggested under which the division of the Municipal area into circles, the compilation of the assessment, and the preparation of the bills will be carried out in the same manner as under the procedure described above. The distinctive feature of the alternative procedure consists in the refusal to permit the sircars to collect any money. Their duty will be strictly limited to the service of the bills upon the assessee, and the service of the bills will be carried out precisely as described above; but as each bill will contain a caution against the payment of any money to the server of the bill, and a direction to the rate-payer to proceed to the Municipal office, and there to deposit the amount of the bill, it will only be necessary to arrange for the systematic service of the rate bills by the sircars upon each assessee during the course of the month.

27. At the close of each week the books containing the counterfoils of the bills and the receipts will be returned by the serving peons to the Municipal office with a certificate that every bill missing from the book has been properly served upon the assessee.

28. The tax darogah, assisted by any number of additional clerks, should remain in the Municipal office, at a counter, during certain fixed hours of each day, and upon presentation of a bill which has been served upon an assessee by the sircar, he should receive the amount tendered and make over to the tax-payer the receipt which corresponds to the number of the bill. The amount so received should be entered in a day book in Form No. XLVII, one book being used for each description of rate or tax. If two or three receiving clerks are employed to receive taxes, each should have a separate day book.

icipal Form No. 1.—Budget Estimate.]

BUDGET ESTIMATE

SHOWING THE

PROBABLE RECEIPTS AND EXPENDITURE

OF THE

_____ MUNICIPALITY,

For the year 188 -8 .

[Prescribed under Section 72 of Act III of 1884 (B.C.)]

Municipal Form No. I.—Budget Estimate.]

Budget Estimate of Probable Receipts and Expenditure of the

HEADS OF RECEIPT.	Estimate for next year.	Actual receipts for the year last completed.	Actual receipts for nine months of current year.	Sanction estimate current year.
Probable balance at commencement of year			
RECEIPTS.				
(A).—Municipal Taxes—				
1.—Tax on houses and lands—				
Tax upon occupiers of holdings			
Rate upon annual value of holdings—				
Arrears			
Collections for current year			
Penalties			
2.—Tax on vehicles—				
Carriage tax			
Cart registration fees			
3.—Tax on animals—				
Horses, ponies, mules and donkeys			
Elephants			
Camels			
4.—Tolls, &c.—				
On ferries			
„ bridges			
„ metalled roads			
(B).—Water-rate under section 279—				
Arrears			
Collections of current year			
Penalties			
(C).—Lighting-rate under section 309—				
Arrears			
Collections of current year			
Penalties			
(D).—Latrines-rate under section 320—				
Arrears			
Collections of current year			
Penalties			
(E).—Miscellaneous Receipts—				
1.—Realizations under special Acts—				
License under Act V of 1866 B. C., Hackney				
Carriage Act			
Collections under Act I of 18 , Cattle Trespass				
Act			
Collections under Act IV of 1883 (B.C.), Licensed				
Jute Warehouse, &c., Act			
2.—Proceeds of land			
3.—Income derived from markets and slaughter-houses			
4.—Municipal fines			
5.—Dispensary endowment and subscriptions			
6.—Sundries—				
Rents of municipal lands, houses, &c....	...			
Government grant			
Receipts from public gardens			
Other receipts...			
(F).—Debt—				
1.—Loans			
2.—Deposits received			
3.—Advances recovered			
Total Receipts ...				
GRAND TOTAL				

Municipality for the year ending 31st March 188

ITEMS OF EXPENDITURE.	Estimate for next year.	Actual expenditure for the year last completed.	Actual expenditure for nine months of current year.	Sanctioned estimate for current year.
<i>—General Establishment—</i>				
1.—Office establishment—				
Head office establishment			
Honorary Magistrate's establishment			
Cost of audit			
Contribution towards establishment in offices of account and treasury			
2.—Collection of municipal taxes			
<i>—Public Safety—</i>				
1.—Fire			
2.—Lighting			
<i>—Public Health—</i>				
1.—Buildings and other works			
2.—Repairs			
3.—Dispensary charges			
4.—Vaccination			
5.—Registration of births and deaths			
6.—Road watering			
7.—Conservancy and road cleaning			
8.—Drainage works			
9.—Other measures			
10.—Contributions			
11.—Works undertaken for private persons			
<i>—Public Instruction—</i>				
Contributions to schools			
<i>—Public Convenience—</i>				
1.—Public works (construction and maintenance of roads)				
2.—Survey of land			
3.—Tolls and ferries			
4.—Cattle-pound charges			
5.—Other charges			
6.—Contributions			
<i>—Water-supply charges under section 279—</i>				
<i>—Lighting with gas under section 309—</i>				
<i>—Cleansing of latrines under section 320—</i>				
<i>—Miscellaneous—</i>				
Refunds of fines or over-assessment			
Investment			
<i>—Interest—</i>				
<i>—Debt—</i>				
1.—Loans			
2.—Deposits refunded			
3.—Advances made			
Total Expenditure ...				
Probable surplus at the end of the year ...				
GRAND TOTAL ...				